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The CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

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VOL. CXVII.

JULY 23, 1932

Annual Subscription (with
Diary) 20/-. Single Copies 9d.

A Non-Gripping and Palatable Preparation of Senna

"Lixen"

BRAND

Elixir of Senna Pods

An extract of senna prepared by a special cold process. Non-gripping. Agreeably flavoured. An advance on the various syrup preparations. 1 teaspoonful is equivalent to 12 large senna pods.

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16 oz. "	5/6

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Contain "Lixen" in a fruit basis. Really pleasant to take. Free from all other purgatives. Appeal particularly to children. Each lozenge is equivalent to 6 large senna pods.

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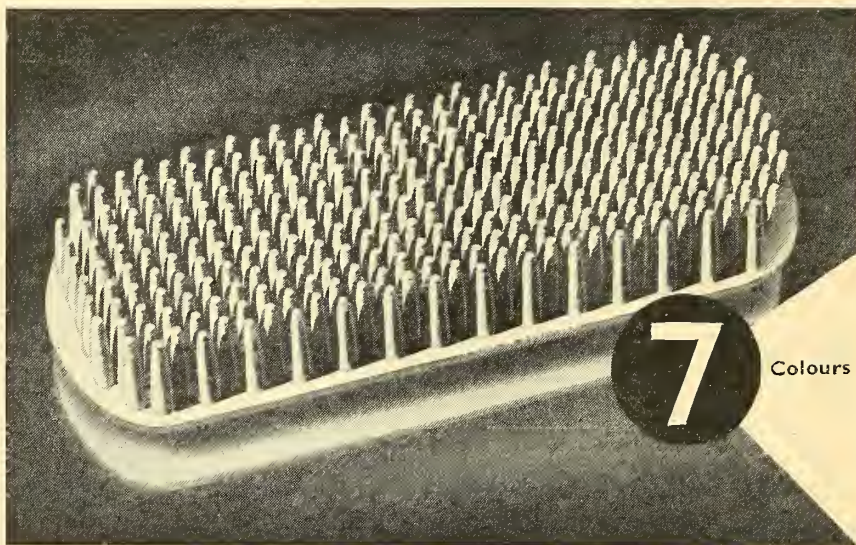
Allen & Hanburys Ltd., London, E.2

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Telegrams: "Greenburys Beth London"

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MADE in ENGLAND



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BLACK**

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Large Size - 1/6 retail
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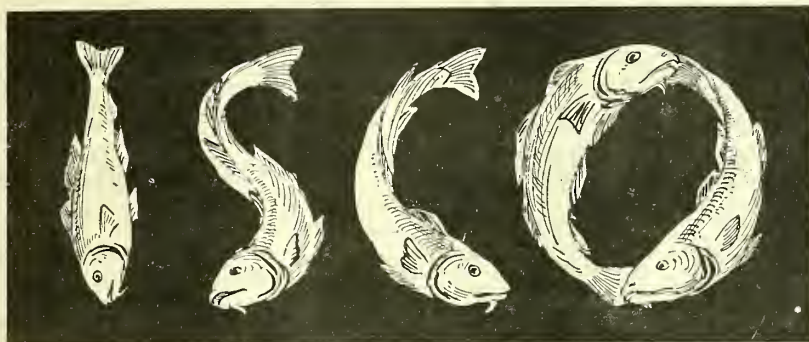
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all-rubber **BRUSHES**

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PREMO BRUSHES LTD., The Rubber Works, Petersfield, Hants

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ABERDEEN, SCOTLAND



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This is
BRYLCREEM
calling the
BRITISH
ISLES

Announcing
the great
BRYLCREEM
Window Dressing
Competition

N.B.

If you have not yet received full details of the Brylcreem Competition on or before this date, write to us and we will let you have full particulars



**IT PAYS TO DISPLAY
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Brylcreem sales reached record heights after the last Window Dressing Competition had created thousands more customers all over the country. Chemists from every part reported tremendous sales and enormous increases in satisfied customers. So enthusiastic was the reception accorded to this outstandingly successful competition that we are organising a similar event this summer—opens July 18th and closes October 8th—when countless thousands of holiday makers will be closely studying their appearance. Cash prizes value £80 are being offered for the best dressed windows. Supported by still further extended advertising all over Great Britain and Ireland. Make your Brylcreem window link up with this advertising, and so get your full share of Brylcreem sales.

BRYLCREEM
The Perfect Hair Dressing

THE COUNTY PERFUMERY COMPANY
 BRADFORD STREET, BIRMINGHAM

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We are concentrating our Advertising on those Coty toilet essentials which bear the popular L'AIMANT PERFUME. Sales will be easy—choose your bargain parcel and send for it now—and so link up with the great L'AIMANT PERFUME CAMPAIGN.

COTY L'AIMANT

A modern, pleasant,
refreshing perfume
in all these exquisite
toilet essentials . . .



PERFUME	from 3/9
FACE POWDER	1/- & 1/9
FOUNDATION CREAM 9 1/3 & 2/6	
SOAP	Box of 3 tabs. 3/9
BRILLIANTINE	2/6
BATH POWDER	from 3/9
BATH SALTS	6/-

NO INCREASE IN PRICE

Send for this
FREE DISPLAY CARD.
It will help you to link up
your display with the
L'AIMANT Advertising.

L'AIMANT PARCEL No. 1

12 L'aimant Powders, @ 1/9	£1 1 0
4 1/2 oz. L'aimant Per- fumes, @ 3/9	15 0
2 1/2 oz. L'aimant Per- fumes, @ 6/-	12 0
1 Perfume in Handbag Container, @ 6/9	6 9
3 Lipsticks Gitane, @ 2/-	6 0
12 L'aimant Founda- tion Cream, in tubes, @ 9d.	9 0
2 Jars L'aimant Founda- tion Cream, @ 2/6	5 0
1 L'aimant Bath Pow- der, @ 3/9	3 9
1 L'aimant Brilliant- ine (Solid) @ 2/6	2 6
	4 1 0
Less 35%	1 8 4
	£2 12 8

50%
NETT

L'AIMANT PARCEL No. 2

2 1 oz. Perfumes, Series 254, @ 10/-	£1 0 0
4 1/2 oz. Perfumes, Series 255, @ 6/-	£1 4 0
6 1/2 oz. Perfumes, Series 299, @ 3/9	£1 2 6
1 box of Soap (3 tab- lets), @ 3/9	3 9
1 bottle Bath Salts, @ 6/-	6 0
6 Tubes L'aimant Cream, @ 1/3	7 6
3 Jars L'aimant Cream, @ 2/6	7 6
1 L'aimant Bath Pow- der, @ 3/9	3 9
1 L'aimant Bath Pow- der, @ 4/9	4 9
2 L'aimant Brilliantine (Liquid), @ 3/-	6 0
2 L'aimant Brilliantine (Solid), @ 2/6	5 0
1 new Counter Stand, consisting of:- Double Compacte, Round Platinum Tone Compacte, Lipstick Gitane, Perfume in Hand- bag Container	17 6
	£6 8 3
Less 35%	2 4 11
	£4 3 4

79%
NETT

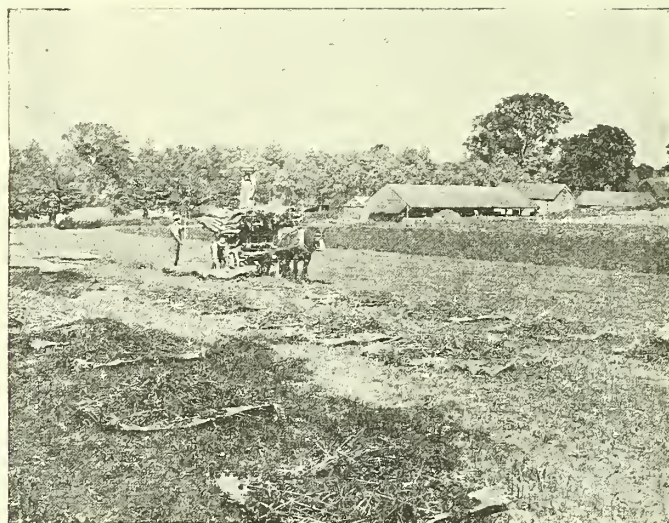
Any of the above lines may, of course, be ordered separately.

Coty (England) Limited, Coty House, 3, Stratford Place, London. W.1.
Telephone: Mayfair 7244-49.

Telegrams: Paricoty, Phone, London.

C.F.H. 246

The Romance of Empire Drugs (26)



Corting English Peppermint on StaffAllens
Farms at Long Melford

PEPPERMINT, *Mentha piperita*, Huds. Fam. Labiatæ is a member of the genus *Mentha* which also embraces Spearmint (*M. viridis*) and Pennyroyal (*M. Pulegium*). These are most easily differentiated by their distinctive odours. They are all widely distributed over the temperate regions of the world. Peppermint would appear to have been first recognised in England by Dr. Eales—according to Ray in his "Synopsis Stirpium Britannicarum" (1696). In his third edition the latter states that it is superior to all other mints as a stomachic remedy and for diarrhæa. The plant found a place in the London Pharmacopœia of 1721.

There are one or two localities in England which are famous for the Peppermint and Lavender grown there. Mitcham, once the best known, does not produce anything like the quantity it formerly did, but cultivation there goes back to about 1750 and during the following century grew to considerable proportions. On account of the rise in land values and foreign competition, cultivation at Mitcham has latterly greatly decreased, but the plant is grown on a large scale at Long Melford, Suffolk. The

PEPPERMINT ENGLAND StaffAllens

have grown and distilled
English Peppermint for nearly
a century, and import and
rectify all varieties of the oil.

Est.



1833

dried plant is now little used, the herb being cultivated for the oil it yields on distillation.

English Peppermint Oil is considered to be without its peer as regards flavour, but it does not come on to the market in such quantities as American and Japanese. American peppermint, distilled from the same variety of plant, somewhat resembles English. Japanese is obtained from a different species and enters commerce as a bye-product of menthol manufacture.

Peppermint finds a place in most pharmacopœias, being prescribed as a flavouring agent and as a stimulant aromatic.

Wholesale Trade only.

STAFFORD ALLEN & SONS LTD

Manufacturing Chemists, Essential Oil Distillers.
COWPER STREET, LONDON, E.C.2.

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For all Diseases
of the Circulatory System

Recommend "ELASTO" for Varicose Veins, Ulcers, Eczema, Swollen Legs, Phlebitis, Thrombosis, Muscular Weakness, Bad Legs, Piles, Prolapsus, Varicocele, Hardened Arteries, Blood Pressure, Deficient Circulation and kindred ailments.

Elasto may be relied upon to give satisfaction. The existing urgent demand is being steadily fostered by consistent advertising
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THE NEW ERA TREATMENT CO. LTD.
CECIL HOUSE - HOLBORN VIADUCT
LONDON, E.C.

Full particulars, Showcards, and Leaflets on request.



**Elasto
Nature
Salve**

3/- a box

Wholesale

27/- a doz.

**Elasto
Tablets**

5/- a box

(One month's supply)

Wholesale

45/- a doz.



P.A.T.A.

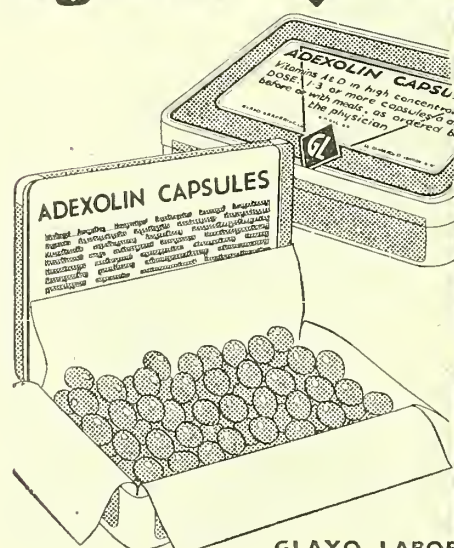
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again  reduced in price



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Boxes of 100 reduced from 12/6 to 8/6

This substantial reduction has been made possible by the very considerably increased demand for Adexolin Capsules and the consequent reductions in manufacturing costs.

The great and growing support given by doctors, and the fact that these new prices bring Adexolin Capsules within the reach of thousands more families, make it obvious that pharmacists should gain substantially, in increased turnover, by the present reduction.

Each 3-minim Adexolin Capsule contains, as hitherto, the anti-infective vitamin A and the anti-rachitic, calcium-regulating vitamin D equivalent of 10 grams of highly potent cod-liver oil.

Adexolin Capsules have been successfully used for the prophylaxis and treatment of infective processes since 1928.

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ANTISEPTIC & DISINFECTANT

Guaranteed to contain full 50% of Cresols.

Perfectly and easily miscible with water forming a solution of not unpleasant odour.

Of great Penetrating Power.

Of high Germicidal Value.

Free from Alkalies.

Packed in;—

4 oz.	8 oz.	16 oz.	32 oz.	$\frac{1}{2}$ gall.	1 gall.
6/-	10/-	17/-	27/6	51/-	84/-

Special terms for quantities.

JAMES WOOLLEY
SONS & Co. Ltd
VICTORIA BRIDGE, MANCHESTER

W.18



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*Display Parfumerie De Fleury and then see
your Sales and Profits increase 50%, 75%, 100%*

HERE ARE SOME QUICK SELLERS

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The proportions of the constituents of this fine powder are so accurately adjusted as to enable the powder to be applied easily and yet to stay on, so making frequent powdering unnecessary. In highly artistic boxes in an entirely new finish, retail 6d., 1/-, 1/9.

2. *De Fleury* **SKIN CREAMS**

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3. *De Fleury* **PERFUMES**

Six unique De Fleury perfumes are issued, so that all tastes may be suited. All most artistically presented—Lady Gay, Salutation, Winged Wishes, Episode, In the Dawn, Rhythm—retail 1/-, 1/9, 2/9 (handbag sizes), 3/6, 5/6, 8/6, etc. The larger sizes are in presentation cases of original design.

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Better Goods—Better Sales **PARFUMERIE DE FLEURY RAWDON LEEDS**

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● A NEW SOURCE OF PROFIT FOR ALL PHOTOGRAPHIC DEALERS.

At last an attachment that will make photographs LIVE. Can be used with ordinary films and paper in the usual way with astonishing results . . . A gadget that will sell at astounding speed and cannot fail to satisfy the purchaser . . . And selling at a price within the reach of all . . . 1/6 Retail. (Fully protected by patent.) Watch for national advertising campaign in the daily newspapers. Retailers, write at once for trade terms.

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WHEN mistakes, forgetfulness and temptation take toll of the takings . . . whose money is short?

Wholesalers, assistants, rent, rates, taxes and other overheads must be paid. Whenever cash leakages occur IT IS THE PROPRIETOR WHO LOSES.

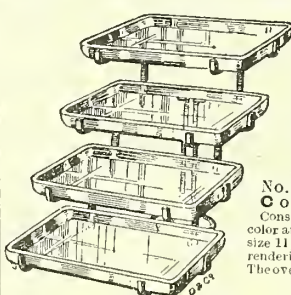
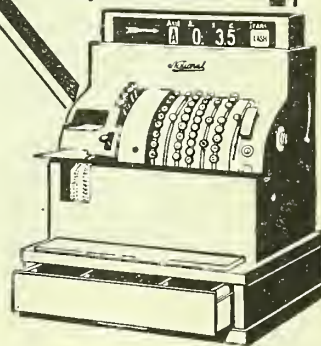
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CASH REGISTER

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"NATIONALS" embody every Cash Register feature of proved value. They not only reveal and stop profit leakages . . . they enable alert retailers to INCREASE profits, and to do it with much less work and worry. Full details about a "National" that will meet your needs exactly await your request. Write and tell us your problems to-day. Every machine is offered on easy terms and enquiry involves no obligation.

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THE IDEAL Counter Display STAND—for TOOTH BRUSHES, NAIL BRUSHES, SOAPS, Etc.

No. C.D.F. 2851 Very attractive Counter Display Stand. Constructed of mild steel finished Silver color and complete with four clear glass trays size 11 1/2 x 7 x 1 in. Each tray is slightly sloped rendering the goods easy to see and select from. The overall height is 15 1/2", width 12", B. to P. 15"

25/- each complete

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City Showrooms: 65-66 Finsbury Street, E.C.2

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The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

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Make OLD, FADED or SPLASHED STOCKINGS of any material like NEW again.

Smartly packed in Waxed Tubes and Cartons. Supplied in 12 Latest Stocking Colours:—Copper Beech, Suntan, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Rose Glow, Smoke Grey, Dago, Gunmetal.

Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with 1 gross.

Order to-day from:

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Smartly packed in Waxed Tubes and Cartons. Supplied in 24 Specially Concentrated Fast Colours:—Black, Navy Blue, Blue, Saxe Blue, Royal Blue, Fawn, Brown, Dark Brown, Nigger Brown, Purple, Lavender, Mauve, Green, Dark Green, Emerald, Red, Pink, Cherry, Old Rose, Grey, Cream, Yellow, Orange, Brick.

Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with 1 gross.

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for Chemists,

SIX SUMMER WINNERS FROM



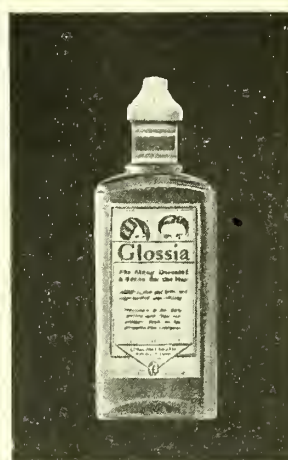
BATH LAVENDER AND COLOGNE

10/66a. In plain bottles, with decorative labels :—4 oz., 9/- ; 8 oz., 16/- ; 20 oz., 30/- per dozen
10/66c. Gilt top flat bottles :—4 oz., 11/- ; 6 oz., 14/- per dozen



BATH CRYSTALS

Fine quality, in attractive glass jars with ornamental bakelite caps. In Cologne, Lavender and Verbena.
10/67A. ½ lb., 9/- ; 1 lb., 15/- ; 2 lbs., 22/- per dozen



GLOSSIA

The super brilliantine dressing and fixative for the hair.
10/3116E. . . . 7/6 per dozen



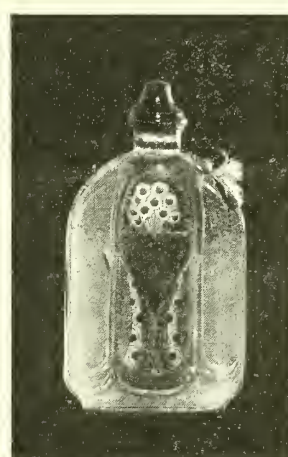
HONEY AND FLOWERS

10/Z100. In Overton Sprinkler Bottle, 9/6 per dozen
10/Z101. In oval bottle, with nickel plated cap, 13/6 per dozen
10/Z109. In flat oval, ornamented bottle, 12/- per dozen



SUNBURN LOTION

In triangular frosted glass bottles, with appropriate label. Natural and Rachel.
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For permanent waving, packed in fancy moulded bottle, labelled red and gold. Pleasantly perfumed.
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ALL QUICK MOVING PROFITABLE LINES
ORDER NOW

MAW—LONDON & BARNET

Mercolized Wax

for the Complexion

Extensively Advertised. Always in Demand.

*There is no risk in holding full stocks.
Every woman is a potential buyer.
Sales are regular and repeats certain.*

Stallax

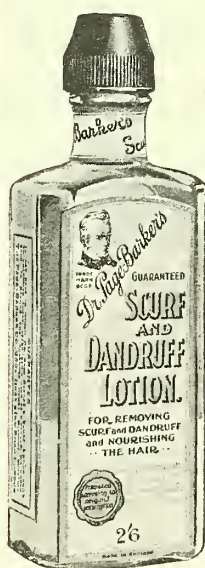
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and shows a handsome profit.*

Dearborn
(1923) Limited

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The Guaranteed Specific
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Dr. PAGE-BARKER'S LOTION is known throughout the Trade as the one reliable specific for Scurf and Dandruff—which can be absolutely depended on and which can therefore be sold with every confidence. No matter how bad the case may be, **Page-Barker's will not fail.** A cast-iron guarantee with every bottle—that it will eradicate Scurf or the purchase price will be refunded without question. Shows you 80 per cent. profit on outlay.

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With every order for 3 dozen you get three
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Note the Improved
Screw Cap!

SHOWCARDS WITH EVERY ORDER. WRITE FOR EXPORT TERMS.

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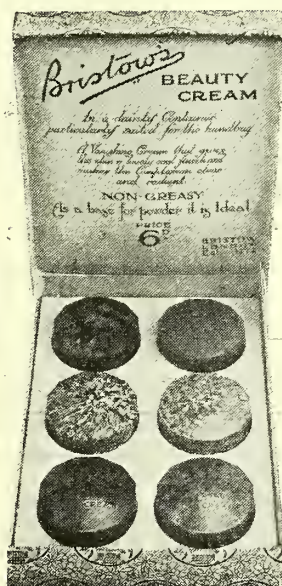
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in dainty
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Available in
**VANISHING CREAM
AND COLD CREAM**

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The attractive
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artistically coloured
containers, as we
anticipated, has
made an irresistible
appeal to the woman
of good taste, and
already we have
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repeat orders.

**A
CERTAIN
SELLER**

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If not write to-day
for sample and
particulars.

Bristol's

**THE CHEMIST'S HOUSE
SINCE 1777**

**COLINDALE
N.W.9**



MADE IN TWO SIZES

Small 5/- - per dozen

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SUPPLIED IN SHOW CASES OF SIX

MANUFACTURED BY

WILLIAM TOOGOOD LIMITED, 77 SOUTHWARK ST., S.E.1

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6^D EACH

YOU REALLY MUST TRY THIS - IT'S WONDERFUL

Use PREEMO PERFUME ESSENCES

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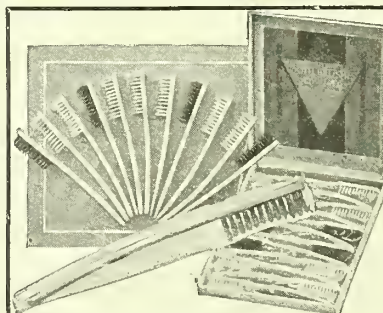
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month in and
month out—
and it shows you
83% PROFIT**

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"STATIC"

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**TOOTH
BRUSH**

**BONEHANDLES
WHITE,
UNBLEACHED,
OR BLACK
BRISTLES**

Names free on 6 doz. lots.

6/6 per doz.

From all wholesalers

Have you got your **TAKY** stock yet?

TAKY CREME and LIQUID DEPILATORY

OUR organisation is being strained to its utmost to meet the enquiries of consumers all over the country. Continuous advertising will be in full force from July 1st. Twenty women's journals and four national newspapers are included in the appropriation. Get your share of the demand by stocking Taky now. Your wholesaler can supply you or send direct to the manufacturers.

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Retails 6d. Trade 4/- dozen
Retails 1/3. Trade 10/- dozen
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LIQUID TAKY

Retails 2/6. Trade 20/- dozen

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again!

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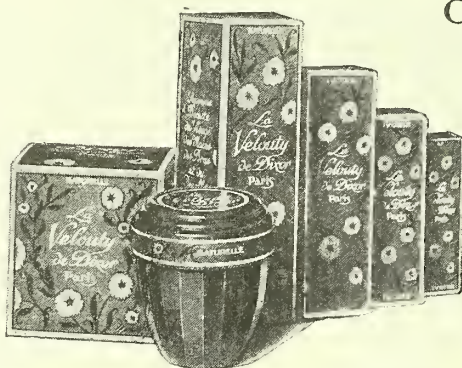
Order now from your
wholesaler or direct from
the manufacturers:—

PRICHARD & CONSTANCE (MFG.), LTD., 11, BROAD ST., W.C.1



The original combined Cream and Powder

VELOUTY de DIXOR



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—No. 1. Handbag tube	3/- doz.	Retail	-/4½
No. 2. Small tube	4/-	"	-/6
No. 3. Medium tube	7/-	"	1/-
No. 4. Large tube	14/-	"	2/-
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Pots (glass)	21/-	"	2/9
Pots de luxe (unbreakable)	36/-	"	4/6

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers :

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"Chummy"

**POWDER
PUFF
SPRAY**



CONVENIENT WHEN TRAVELLING
ALSO ECONOMICAL AND TIDY

One press of the bulb which holds the powder gives an even spray and then the puff does the rest.

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EXCELLENT VALUE AT
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OBTAINABLE FROM MOST GOOD SUNDRIESMEN

MADE IN ENGLAND BY

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SOAPS**

COCOANUT OIL
OLIVE OIL B.P.
SEED OIL & AMBER

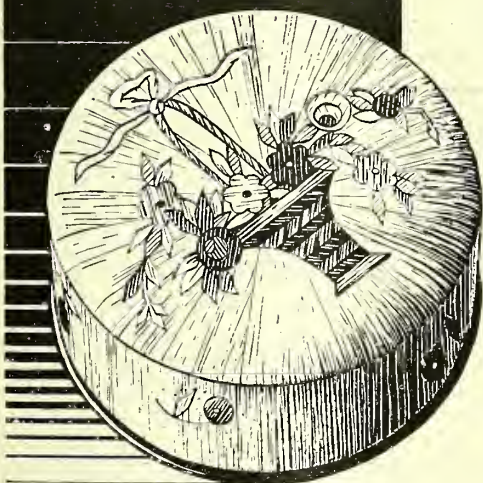
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BASE OF LIQUID SHAMPOOS**

W. M. DELF & CO.

Soap & Disinfectant Manufacturers
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HOUBIGANT'S WORLD-FAMED FACE POWDER "QUELQUES FLEURS" NEW 1/3 SIZE

To meet the present day demand for high-class products in smaller sizes, HOUBIGANT have now made available a handbag size of their superlative quality "QUELQUES FLEURS" Face Powder at a price within the buying capacity of every woman.



A further attraction..... The existing shades have been added to by two new colours in the latest fashion:

"RACHEL ROSÉE" (*Rosy Rachel*): Giving to the complexion a wonderfully radiant charm.

"OCRE SOLEIL" (*Sunny Ocre*): A fascinating warm shade tinged with Summer sun.

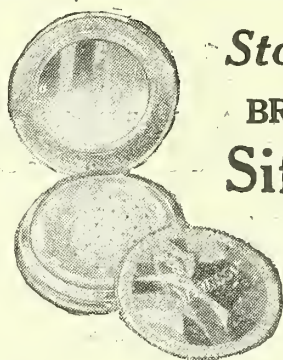
The two new shades are obtainable in the larger sizes.

wholesale: 10/- per dozen

HOUBIGANT

PARIS

LARDEN ROAD PARFUMERIES DE PARIS LIMITED ACTON - LONDON



Stock & Sell BRITISH MADE Sifter Box

now made in
attractive colours
28/- per doz.
Retail 3/6 ea. P.A.T.A.

BATH POWDER CONTAINER

36/- per doz. Retail 4/6 each. P.A.T.A.

Ask for Illustrated List.

Chaussy
POWDER BOX

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INSECT BITES

ARE

DANGEROUS!!

Vide Medical Opinion in Daily Press.

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THE SUREST PROTECTION.

1 DOZEN BOTTLES IN
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(Each Bottle in a Nickel Case.)

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Simply attach your label to the accompanying form and send it, together with 16/6, to

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1 doz. Rolls : - 1 doz. Packets :
1 Cut-out : 100 "Personal Hygiene" Leaflets
Cash 16/6 should accompany every order.

Please send me/us your Trial
Parcel and Display Material for
which cash value 16/6 is enclosed

Date

ATTACH YOUR LABEL
HERE

ENGLAND'S LAST WORD

IN SAFETY RAZOR BLADES
THE GREAT "TOM THUMB"

(ACTUAL SIZE OF BLADE)

Retails
at
1d.
each



Retails
at
1d.
each

MADE BY

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IT WILL PAY YOU TO
BUY 'OCEAN' BLADES
NO BETTER BRITISH-MADE BLADE ON THE MARKET

8/- PER
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125% PROFIT
SAMPLES FREE
to genuine enquirers.

Scientifically made of

first quality Steel, in
our own British factory. The Blade
that builds permanent custom. Millions
in use. Handsome profit and no risk.
Attractive Showcards. Stocked by lead-
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OCEAN BLADES (Gt. Britain), LTD.

Sales Dept., 1-6 Bridgewater Place, London, E.C.1. Clerk. 6257
Blades made under Customers' Own Name. State quantity.

TWELVE
for 1'6
POST FREE
3-HOLE PATTERN

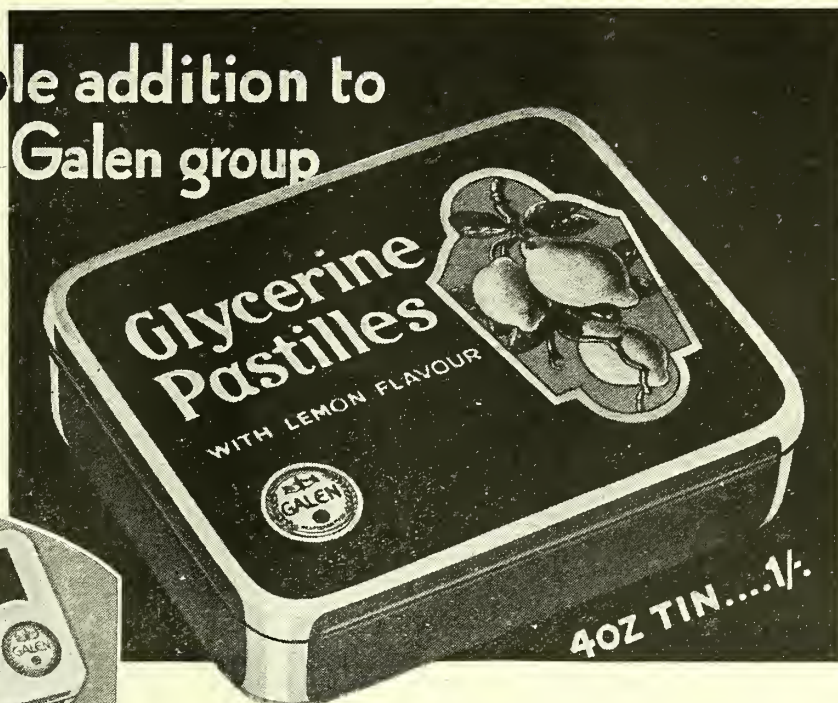


CONQUEROR BLADES 5/6 Gross

Retail 12 for 1/-.

The finest and swiftest selling penny
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Silver Steel. (Free Samples on request.)

An agreeable addition to
the popular Galen group



GLYCERINE PASTILLES with Lemon Flavour :

The old time favourite soother of tired and sore throats—glycerine and lemon. This new Galen pastille is recommended for the purity of its ingredients, convenient packing and reasonable retail price of 1/- per 4 oz. tin.

CINNAMON LOZENGES : An effective lozenge highly medicated with the purest oil of cinnamon. 6d. per tin.

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GLYCERINE & BLACKCURRANT PASTILLES: A blending of real blackcurrant fruit juice and glycerine. The popular fruit throat pastille, welcomed for its agreeable flavour and efficacy. In 4 oz. tins at 1/-

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REGD TRADE MARK

Manufactured by
THE GALEN PRODUCTS CO., LTD., STOCKPORT

Sole Selling Agents :
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Flit is the world's largest selling insecticide—the finest that money can buy. More people of every nationality use Flit because it kills all insects quicker, because it is non-poisonous, does not stain and is most effective and economical.

Throughout the season, extensive National Advertising reminds the public of its urgent need of Flit protection. Use your window to remind them where to buy.

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Before booking your contract for
EXTRACT OF MALT
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EXTRACT OF MALT
 WITH COD LIVER OIL
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**STOKES WATER STILLs and
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Manufactured by

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All enquiries should be sent to
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Trial size 8d. per doz. -- -- 6/-
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This book introduces new and original methods for teaching
Pharmacy, for students preparing for the Qualifying Examinations.
Its success and soundness have been proved in practice. 10/6 net.

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Not only repels but actually **KILLS**
MOths, GRUBS and other pests.
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Invaluable as a first-aid dressing; in the sick-room as a spray to refresh the atmosphere.

Invigorating when added to the water used for washing

TRADE
MARK

'HAZELINE'

BRAND

Hamamelis virginiana

Retains the volatile principles of the fresh young twigs of the shrub

Bottles of 4 fl. oz. and 16 fl. oz., 21/- and 66/- per doz. respectively

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The original non-greasy toilet preparation. Fragrant and refreshing, vanishes without trace of greasiness

Glass pots for the dressing-table, 15/- per dozen. Tubes for the hand-bag, 5/5 per dozen



Reduced
facsimiles



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PHILLIPS' DENTAL MAGNESIA

"MILK OF MAGNESIA"

AND

"DANDERINE"

(Regd.)

(Regd.)

QUANTITY DISCOUNTS—5% on 6 doz. 1/3 size or equivalent } and 2½% for cash on the 7th prox.
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Showcards, etc., sent carriage paid on request to—

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Hot Weather Dishes for Invalids.

Leaflets containing recipes for the use of Benger's Food during hot weather are available for distribution among "Benger" users.

Write for a supply to:—

BENGER'S FOOD, LTD., Otter Works, MANCHESTER.

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Py-shan Points is still confined exclusively to chemists.

Py-shan Points has a natural balanced proportion of tannin and caffeine so it will not cause indigestion.

Py-shan Points brings custom to you that would otherwise go to another trade, therefore giving you **extra** turnover.

Py-shan Points goes one third further than whole leaf teas.

Py-shan Points is not medicated.

Stock and display Py-shan Points Tea and increase your turnover.

Public **3/-** per lb.

THOS. CHRISTY & CO.
4/12 Old Swan Lane, London, E.C.4

Chemists **2/7** per lb.

„ **2/5** C.W.O.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

*The official organ of The Pharmaceutical Society of Ireland,
The Chemists' and Druggists' Society of Ireland, and of
other Chemists' Societies in Overseas Dominions*

PUBLISHED AT

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VOL. 117 NO. 2737

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News of the Week

Key Industries Duty—Amorphous Carbon Electrodes

Application has been made to the Board of Trade under Section 10 (5) of the Finance Act, 1926, for an order exempting amorphous carbon electrodes exceeding 12 inches square in cross section and over 3 feet long with longitudinal slots exceeding 2 inches in width and 4 inches in depth, from liability to duty under Part I of the Safeguarding of Industries Act, 1921. Any communication on the subject should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, on or before August 15, 1932.

Irish Free State (Special Duties) Order

By the Irish Free State (Special Duties) Order, 1932, dated July 12 (Stationery Office, 1d.), a duty of 20 per cent. *ad valorem* is imposed, as from July 15, on the following goods:—Live animals for food; animals not for food; butter; eggs; cream; bacon; pork; poultry and game; other meat of all kinds.

Society of Chemical Industry

The annual meeting of the Society of Chemical Industry was held in Nottingham on July 13 and successive days. Professor G. T. Morgan was in the chair, and delivered the presidential address. The annual report of the Council recorded a membership of 4,410—a net loss of 131. This was less than was expected. The president announced that Dr. Robert H. Pickard was to be elected president for the ensuing year. Dr. R. T. Colgate agreed to continue as treasurer, and Mr. E. F. Armstrong was willing to remain as foreign secretary. The Messel medal was presented to Sir William Pope.

Birmingham

Sir Richard Threlfall, F.R.S., who died recently at Edgbaston at the age of seventy, was mainly responsible for the development of the smoke screen and the tracer bullet, and was also associated with the use of helium in airships. During the war his scientific knowledge was of great value to the country. He was a director of Albright & Wilson, Ltd., manufacturing chemists, Oldbury.

A letter in the "Birmingham Post" of July 16 answers the question, recently raised in another place, of how the name of Joule, the physicist, should be pronounced. As one who lived near Joule's birthplace at Salford, the writer is certain that the invariable pronunciation in the 'eighties was "Jool," and incidentally expresses surprise that the question should be asked so soon after 1889, the year of Joule's death.

Sheffield

Mr. E. Preston, Ph.C., chairman of the local Pharmaceutical Committee, has been on a motor tour in Scotland.

Boots, Ltd., are moving one of their branches from 514 London Road to No. 448, the premises formerly occupied by Mr. Daykin.

There was an outbreak of fire at the premises of Carter & Sons (Sheffield), Ltd., manufacturing chemists, Attercliffe Road, recently. Fortunately the damage was not of an extensive nature.

Mr. H. R. G. Skelton, the well-known Sheffield herbalist, was unanimously re-elected, for the fifteenth time, honorary education secretary at the sixty-eighth annual conference of the National Association of Medical Herbalists of Great Britain.

Miscellaneous

SHOPPING WEEK.—Camborne Chamber of Commerce has decided to hold a shopping week on October 8-15 inclusive.

POISON-LICENCE APPLICATION.—Mr. G. Dobson, corn merchant, Windermere, has applied to the Westmorland County Council for a licence to sell agricultural and horticultural poisons.

UNILEVER HOUSE, London, E.C.4, the new headquarters of Lever Brothers, Ltd., Unilever, Ltd., and the United Africa Co., Ltd., was opened by the Lord Mayor of London in the presence of a distinguished gathering on July 18.

IN THE COURTS.—At the Central Criminal Court, London, on July 19, Constance Sanderson (38), described as a dispenser, was sentenced to three months' imprisonment in the second division for libelling the Rev. G. P. Maryon-Wilson, Somers Town, N.W. A medical witness stated that the accused suffered from hallucinations.

INQUEST.—A verdict of "Accidental death" was recorded at the resumed inquest on the body of Patricia J. Tyson, Alwyne Road, London, N., aged seventeen months, who died from strychnine poisoning after swallowing tablets prescribed for her father (*C. & D.*, July 16, p. 54) Mr. G. Sant chemist and druggist, stated that there was no reason why the box should have been labelled "Poison." The coroner was satisfied by the evidence.

Scottish Notes

Brevities

Mr. W. Mitchell, chemist and druggist, Earlston, and Mrs. Mitchell celebrated their silver wedding on July 12.

"Many chemists are now employing girls for counter and general routine work," writes a Scottish correspondent.

Chemists on the panel of the Insurance Committee for the Burgh of Dundee have been notified that the Department of Health for Scotland has removed the name of Dr. Robert Miller, 77 Constitution Road, Dundee, from the medical list of this Committee as from July 16.

The death occurred recently of Dr. William Mackie, for many years medical officer of health for Moray. Until his retirement eight years ago, Dr. Mackie practised in Elgin for thirty-five years, and was well known to chemists in that part of Scotland. He was the originator of calcinol (calcium iodate).

Pharmaceutical Society of Great Britain

School of Pharmacy Awards

On the recommendation of the Dean (Professor H. G. Greenish), the following awards have been made in the Society's school in respect of the session 1931-32:—

CHEMIST AND DRUGGIST COURSE

Pharmaceutical Chemistry.—Bronze medal, Alice M. Sharp; certificates, D. O. Drake (general), Alice M. Sharp (practical).

Pharmacognosy.—Bronze medal, Alice M. Sharp; certificates, L. I. Alter (general), J. J. Tyrrell (practical).

Pharmacy.—Bronze medal, J. J. Tyrrell; certificates, D. O. Drake (general), J. J. Tyrrell (practical).

B. PHARM. AND PH.C. COURSE

Pharmaceutical Chemistry.—Silver medal, F. Hartley; certificates (general and practical), R. M. Jenner.

Pharmacognosy.—Silver medal, F. Hartley; certificates, R. M. Jenner (general), F. Hartley (practical).

Pharmacy.—Silver medal, F. Hartley; certificates, R. M. Jenner (general), D. A. Desmond (practical); Martindale silver memorial medal, Alice M. Sharp; Charles James Hewlett memorial exhibition, J. Steel.

Branch Meetings

North Staffordshire.—At a recent meeting of the North Staffordshire Branch, Mr. S. J. Mott (president) in the chair, an interesting lecture on photography was given by Mr. Burgess, B.Sc., F.Z.S.; the subject chosen was *Panchromatism*. Mr. Burgess explained the use of panchromatic plates, and described the various types of filters. He showed some delightful Alpine photographs and zoological studies taken on panchromatic plates. A vote of thanks was proposed by Mr. Corner.

Westmorland.—At a recent meeting of Westmorland chemists it was decided to form a Branch of the Society. Mr. Thomas Hardy (a member of the Society's Council) explained the objects of the organisation and said he was sure members would benefit by the establishment of a Branch. The following officers were appointed:—*Chairman*, Mr. R. H. Barker (Windermere); *Secretary*, Mr. W. L. Mayson; *Committee*, Messrs. H. F. Alsop, C. E. Forster, E. Hodgson and R. N. Parkin.

Summer Outings

Importers at Southsea

THE forty-seventh annual dinner of the staff of Cresswell Brothers' Branch of International Sponge Importers, Ltd., was held at the Royal Pier Hotel, Southsea, on July 9. Mr. Ernest J. J. Cresswell was chairman and Mr. Alfred G. Cresswell vice-chairman, with Mr. F. Magrath (foreman) and Mr. W. Morgan as stewards. The loyal toasts and those of "The Firm" and "Absent Friends" were drunk with great enthusiasm. Excursions were made to the Isle of Wight and to the many local objects of attraction. The weather was perfect.

A South-West London Outing

THE South-West London Chemists' Association held their annual outing on July 13, at Newlands Corner. Although rain fell during tea, the evening became sunny and warm, and a cricket match and races were held. Prizes were won by the following children:—Molly Tibbett, John James, Pat Shanahan, Pat Westland, Denis Shanahan, Stella Whitelaw, and Peter James. Races for members and associates were won by Mrs. Barnes, Mrs. Browne, Mrs. Inglis, and Miss Powis, and Messrs. Barnes Browne and Inglis. The prizes were presented by Mrs. J. E. Monaghan, (the president's wife).

Bradford Chemists at Leeds

BRADFORD chemists held their annual outing on July 13. The visit was to Leeds, where the earlier part of the afternoon was spent in looking over the new premises of Hirst, Brooke & Hirst, Ltd., the party being conducted round by Mr. Hirst, the managing director. Afterwards buses took the party to Templenewsam Mansion, where tea was served. Mr. J. W. Thorpe proposed a vote of thanks to the directors of Messrs. Hirst, Brooke & Hirst, for the splendid way in which the chemists had been entertained. Mr. Hirst suitably responded, and presented each member of the party with a souvenir of the event.

British Pharmaceutical Conference, 1933

Local Committee Appointed

At the instance of a committee representing the various associations and branches in and around London, a meeting was held at 17 Bloomsbury Square, W.C.1, on July 20, to consider the arrangements regarding the invitation of the British Pharmaceutical Conference to London in 1933. The chair was occupied by Mr. G. B. Barnard (president of the London County Pharmaceutical Association), who was supported by Mr. F. G. Hines and Mr. J. Keall (president and vice-president respectively of the Pharmaceutical Society), Mr. H. Skinner (chairman of the British Pharmaceutical Conference), and Mr. G. A. Tocher (acting secretary). About seventy representatives were present.

The CHAIRMAN informed the meeting regarding the steps already taken by the committee of metropolitan representatives. The meeting approved and confirmed the action. It was agreed: "That the Local Committee consist of those present, with power to add to their number." It was also agreed to suggest July 24-28, 1933, as a suitable date for the Conference to be held in London. After discussion, the Local Executive Committee was appointed as follows, with power to add to their number:—

Mr. W. J. Beardsley
Mr. J. Keall
Mr. F. G. Wells
Mr. H. Skinner
Mr. G. R. Boyes
Mrs. Freke
Mr. T. Marns

Mr. H. N. Linstead
Dr. F. W. Crossley Hol-
land
Mr. A. H. Jenkin
Mr. A. R. Melhuish
Mr. F. W. Adams
Mr. C. E. Corfield

One representative from each of the following associations and branches:—

North London
North-East London
South-East London
West Kent
Croydon and District
Guildford and District
Harrow and District
West London
South-West London

West Ham and Eastern
District
West Middlesex
Dartford and District
Reigate and District
Watford and District
Thames Valley and Dis-
trict

Wholesale Drug Trade Association, two representa-
tives; Guild of Public Pharmacists, one representative;
National Association of Women Pharmacists, one repre-
sentative.

It was agreed to hold the first meeting of the Executive on September 29. On the motion of Mr. KEALL, seconded by Mr. J. H. CURF, it was agreed that Mr. Barnard and Mr. Tocher should continue as acting chairman and acting secretary respectively until the Executive meeting on September 29.

Topical Reflections

By Xrayser

A Working Arrangement

exists, we are told, which will have the effect of including in the next British Pharmaceutical Codex all the articles deleted from the British Pharmacopœia in the preparation of the new issue of that work (*C. & D.*, July 16, p. 67). Not only so, but they will be taken over with provision for their continuance both in formulas and standards. The effect of this arrangement should be very marked in avoiding difficulty due to the abrupt termination of the official life of preparations in fairly common use. But in order to make it fully effective, there ought to be no great interval between the coming into force of the new B.P. and the publication of the new Codex. Quite recently it was announced by the then president of the Pharmaceutical Society that there would be an interval of two years between the appearance of the two works, and I am not aware that this estimate has yet been challenged. I am nevertheless hopeful that the announcement in question may prove to have been based upon some misapprehension of the actual position. It will not be particularly creditable to those responsible for the production of the new Codex if, after all the assistance that has been provided in the work of revision and the special facilities which are understood to have been enjoyed by the revisers, a period of more than from six to nine months after September 30 is allowed to elapse before the book is available.

Your Review

of the contents of the new Pharmacopœia (p. 67) shows that the transfer to the Codex of preparations formerly official will be more or less in the nature of an exchange, since I find that one article after another, upon which you comment, appears to have been taken from the existing Codex by the Pharmacopœia Commission. This is reminiscent of the old days when the B.P.C. Formulary, then the property of the British Pharmaceutical

Conference, was drawn upon regularly by revisers of the British Pharmacopœia. It was an understood thing that this should be so, and no question ever arose about formulas being taken over without acknowledgment. As a matter of fact, the compilers of the B.P.C. Formulary were always hoping that their formulas would commend themselves in due course to the Pharmacopœia Committee, and it is probably safe to assume that the same attitude is observed by the producers of the British Pharmaceutical Codex. The latter work will henceforth be serving a trebly useful purpose in relation to the British Pharmacopœia—first and foremost as a supplement to the latter, next as a feeder to the older work when under revision, and finally as a place where authentic records may be found of articles which were formerly official and are still in more or less frequent demand. The value of the Codex in all these respects will be great.

Very Precise Information

is provided regarding opium and other "dangerous" drugs in the annual report from which you have quoted extensively (p. 58), and the completeness of the records respecting the manufacture, importation, exportation and consumption of the various products should bring joy to the hearts of all the bureaucrats and cranks concerned in the imposition and maintenance of control of their use. Not that such information is without value to others who are interested in the production and supply of the drugs; but such completeness would never have characterised records kept for trade purposes alone. Incidentally, it is interesting to observe that a question on the subject of the manufacture of these drugs was asked in the House of Commons a few days ago (p. 66), and that opium, heroin and cocaine were in that question linked up in the category of "noxious" drugs. The Government spokesman, who replied to the question, quite properly dissented from this application of the term "noxious," and was careful to explain that the drugs are invaluable when used under medical control.

Legal Reports

Injunction Granted.—In the Chancery Division of the High Court, London, on July 12, before Mr. Justice Clauson, Mr. W. S. Morrison, for the Joint Council of Qualified Opticians, applied for an injunction to restrain Mr. A. C. Toye and others from using any style or title such as the "Association of Qualified Opticians" or the "Joint Council of the Association of Qualified Opticians," or any other style or title calculated or contrived to mislead persons into the belief that any connection exists between the defendants and the plaintiffs, and from issuing or publishing any literature or certificates bearing such style or title, and from issuing or displaying any certificates or advertisements couched in such terms as to be likely to mislead the public, or any member of the public, into the belief that the person using or displaying such certificates or advertisements is on the Register of Ophthalmic Opticians kept by the plaintiffs. After hearing Mr. A. C. Toye, who appeared in person, his lordship granted the injunction.

Chemist's Unsuccessful Action.—In the King's Bench Division of the High Court, London, on July 19, Mr. Michael Joseph Corbett, L.P.S.I., Gort, co. Galway, sued Burge, Warren & Ridgley, Ltd., druggists' sundriesmen, Great Saffron Hill, London, E.C., claiming damages for loss which, he alleged, he had sustained in his business by reason of a county court judgment obtained against him in error, and its subsequent publication in a newspaper. Mr. Corbett's case was that after he had paid an account owing to Messrs. Burge, Warren & Ridgley, their Irish agents, through a mistake, proceeded to take judgment in the Gort County Court for the amount owing. The judgment was subsequently set aside, but Mr. Corbett attributed business losses of £95 and £105 in the two years following the judgment to the defendants' conduct. The defendants denied that a letter they wrote acknowledging the payment of the debt, and saying that they would communicate with their Irish agents to that effect, constituted a contract not to proceed for the recovery of the debt. Mr. Justice Talbot held that there was no cause of action against the defendants and gave judgment for them, with costs.

Injunctions by Consent.—In the Chancery Division of the High Court, London, on July 19, Mr. Cross, counsel for the plaintiff, mentioned to Mr. Justice Clauson a motion by Mr. W. S. Galloway (Seaford) against J. Hoare & J. Hoare, Ltd. Mr. Cross explained that the motion had stood over, and he now asked the Court to stay the action on terms endorsed on counsel's briefs. Plaintiff had asked for an injunction to restrain the passing off of Union Jack paste. The defendants now agreed to a perpetual injunction in the terms of the notice of motion with a slight variation; they had agreed to deliver up offending circulars, pay the costs and £10 agreed damages.—In the same court, a motion by Natural Chemicals, Ltd., against Walfox, Ltd., was mentioned to Mr. Justice Clauson. Mr. Kenneth Swan said that Natural Chemicals, Ltd., complained of the use of their trade mark "Phyllosan" in a pamphlet which was issued to advertise certain goods. The parties had consented to the motion being treated as the trial of the action and an order had been drafted and agreed. His lordship assented to the terms. Mr. Swan also mentioned a motion by Phosferine (Ashton & Parsons), Ltd., against Walfox, Ltd., in which, he said, an order had been agreed in exactly similar terms.—In the Chancery Division, on July 19, Mr. Justice Maugham had before him a motion in the action of Iron Jelloids Co., Ltd., against Walfox, Ltd. Mr. Kenneth Swan, for the plaintiffs, said that the application was for an interim injunction restraining infringement of a registered trade mark, but the defendants appeared by counsel and consented to an order in substantially the same terms as in previous actions against them. Mr. Russell Clarke, for the defendants, agreed to the order being made, and his lordship said there would be judgment for the plaintiffs in the terms agreed.

Chemist's Application Refused.—In the Aylesbury County Court, recently, Mr. Claud Philip Edward Fuller, chemist and druggist, Wendover, made application for a judgment given against him for £14 15s. 10d. in favour of the Buckinghamshire Insurance Committee to be set aside for a new trial. He also applied to enter a counterclaim for £20 19s. 4d. Mr. Fuller told the judge that he disputed the whole claim as fraudulent. He argued that it was at his instigation that an inquiry was decided upon, and not upon that of the Insurance Committee, and he further maintained that it was not a properly constituted Ministry inquiry, since it was conducted by a barrister, a chemist and a magistrate. After a lengthy hearing of the applicant's submissions, the judge expressed the view that it was a perfectly regular judgment. He understood that the applicant had a practice of not taking in letters, or of not reading any letters that appeared to come from the registrar, and if people did not take in such letters they could hardly complain of not having the information that was contained in them. The result was that applicant did not put in the proper affidavit, and the plaintiffs obtained a perfectly sound judgment, as they were entitled to under the rules. The counterclaim could not be considered that day, but if Mr. Fuller had a counterclaim against the Buckinghamshire Insurance Committee, its clerk, or the Minister of Health, he could bring it in another action. The applicant had made a large number of imputations against various people not there to defend themselves. There was not the slightest doubt that the inquiry was properly constituted. He was perfectly satisfied that it was decided against Mr. Fuller, that Mr. Fuller was ordered to pay costs, and that Mr. Fuller had no shadow of defence to that action. The application would therefore be refused, with costs.

Gazette

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

WATSON, S. G. D., 14 Huntriss Row, Scarborough, chemist.

Business Changes

MR. J. L. STIRLING, Ph.C., has opened a pharmacy at 52 Mill Street, Ballymena.

PERROTT'S CASH PHARMACY, LTD., chemists, Church Street, Martock, are opening a branch in North Street, Stoke-under-Ham.

MR. T. H. WALTON has retired from the directorate of Walfox, Ltd., manufacturing chemists, Batley, and will concentrate on the business of T. H. Walton & Co., Ltd., manufacturing chemists, Birstall, which he started (at Cleckheaton) in 1903.

Coming Events

Monday, July 25

Pharmaceutical Society of Great Britain, 17, Bloomsbury Square, London, W.C.1, at 2 p.m. Summer vacation course. Opening lecture by Dr. H. E. Archer on "Modern Methods of Diagnosis." At 3.45 p.m., lecture by Dr. J. McLean on "Recent Advances in Determining the Efficiency of Antiseptics."

Tuesday, July 26 to Friday, July 29

Pharmaceutical Society of Great Britain, 17, Bloomsbury Square, London, W.C.1. Continuation of summer vacation course.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

NELSONS MEDICAL HALL, LTD. (P.C.).—Registered in Belfast. Capital £500. Objects: To carry on the business of wholesale or retail chemists, druggists, etc.

MATTHEW BEALE, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, etc. R.O.: Uxbridge Road, Hayes, Middlesex.

JOHN NELSON, LTD. (P.C.).—Capital £500. Objects: To carry on the business of pharmaceutical chemists, opticians, druggists, etc. R.O.: 9 Harrington Street, Liverpool.

L. NORTH, LTD. (P.C.).—Capital £2,500. Objects: To acquire the business of a chemist and optician carried on by Sarah J. F. North at 22 Bridge Street, Northampton.

WIXMORE, LTD. (P.C.).—Capital £500. Objects: To act as distributing agents and general drug merchants, manufacturing chemists, etc. Solicitor: A. J. Tucker, 5 The Close, Exeter.

SHAW'S (BIRMINGHAM), LTD. (P.C.).—Capital £500. Objects: To acquire the business of a drug store proprietor now carried on by W. Shaw at 65 Raddlebarn Road, Selly Oak, Birmingham.

ARTHUR BERLANDINA, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of general produce merchants, brokers and agents, etc. Solicitors: Coburn & Co., 6 Drapers Gardens, E.C.

NELSON'S MEDICAL HALL, LTD. (P.C.).—Capital £500. The directors are Harold J. Nelson, 10 Bow Street, Lisburn, and Wm. Geo. McCreight, 225 Newtownards Road, Belfast, pharmaceutical chemist.

"RED BAND" CHEMICAL CO., LTD. (P.C.).—Registered in Edinburgh. Capital £1,250. Objects: To carry on the business of manufacturing chemists, etc. R.O.: Richmond Terrace, Dalry Road, Edinburgh.

ALBA CHEMICAL CO., LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of chemical manufacturers carried on at Bowlee Mill, Bowlee, near Middleton, as the Alba Chemical Co., and to adopt an agreement with S. Eastwood.

J. H. TAYLOR (ST. ANNES), LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of a chemist and druggist carried on by J. H. Taylor at 13 St. Annes Road West, St. Annes, Lytham St. Annes, Lancs, as "J. H. Taylor & Son."

MODERN CHEMICAL PRODUCTS, LTD. (P.C.).—Capital £1,500. Objects: To carry on the business of chemical manufacturers, in particular manufacturers of decorative and compounds of cellulose, etc. R.O.: Orchard Works, Trout Road, Yiewsley, Middlesex.

BREMERS' CHEMICAL COMPOUNDS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in chemical and other preparations and compounds, etc. R.O.: Orchard Street, Pendleton, Manchester.

METAFILTRATION CO., LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of Metafilters (1929), Ltd., and all or any of the assets or property thereof, and to carry on the business of manufacturers of and dealers in chemical and other preparations, etc. Solicitors: Parker, Garrett & Co., St. Michael's Rectory, Cornhill, London, E.C.

VITAMINS, LTD.—Profit for the year ended March 31 was £7,511, against a net loss of £3,860 for the previous year. Debenture interest is paid to March 31, 1930, leaving £276. Meeting July 27.

A. J. CALEY & SON, LTD., Norwich, chocolate, mineral water, etc., manufacturers, have been acquired by John Mackintosh & Sons, Ltd., confectionery manufacturers, Halifax.

JORDAN & SONS, LTD., company registration agents, report that during the period January 1 to June 30, 1932, under the class of "chemicals" there was registered three public companies with a total capital of £394,500, and 275 private companies with a total capital of £5,694,390, making a combined total of 278 companies registered with a capital of £6,088,890. The "chemicals" class was the second highest in capital, being next to "Investment" (finance and banks) with 122 companies with a total capital of £7,513,863. The "Food" class was third with 413 companies with a total capital of £2,027,770.

Private Arrangements

T. Hargreaves, 244A High Street, Lewisham, and 157 Uxbridge Road, Hanwell, chemist and druggist.—A meeting of the creditors was held recently in London, when a statement of affairs was submitted which disclosed liabilities of £2,572 12s. 7d., of which £797 12s. 7d. was due to the trade; there were cash creditors for £750; and partly secured creditors for £1,225, holding security valued at £200, leaving them unsecured for £1,025. The assets consisted of cash in hand, £15; debtors, £5; stock in trade, £241, estimated to realise £200; and furniture and fittings, £593, valued at £200, making total assets of £420, from which had to be deducted £111 16s. 6d. for preferential claims, leaving net assets of £308 3s. 6d., or a deficiency of £2,264 9s. 1d. The debtor commenced business in July 1927 at Hanwell, and acquired a business for £1,500, the payments to be spread over a period of years, the last instalments being due in 1935. The debtor had paid £1,050, and £450 was still outstanding. The turnover at first averaged £30 a week, and it had not increased since then. In 1929 debtor purchased the business at Lewisham for £1,750, of which £775 is still owing. The turnover of both businesses for the year ended July 1931 amounted to £3,189. An offer was made of a cash composition of 2s. 6d. in the £, but after discussing the position the creditors decided to adjourn the meeting for a week.

Voluntary Liquidation

The Phil-Sano Co., Ltd., Craven House, Kingsway, W.C.2. Chemists' sundriesmen. Pursuant to Section 238 of the Companies Act, 1929, a meeting of the creditors was held on July 18 at Lombard House, 16 and 17, Little Britain, London, E.C.1, when it was stated that the shareholders of the company had previously met and passed a resolution nominating Mr. Parkin S. Booth, of The Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, E.C., as liquidator. A statement of affairs was presented which disclosed liabilities of £1,473 13s., all due to trade creditors. The assets consisted of stock in trade, £25; trade fittings, etc., put down at £70; trade mark, £1; and good book debts, £71 12s. The total assets were £172 12s. 10d., from which had to be deducted preferential claims of £8 2s. 3d., leaving net assets of £164 10s. 7d., or a deficiency of £1,309 2s. 5d. It was reported that the company was incorporated on April 30, 1929, with an authorised capital of £3,000, divided into 2,000 preference shares of £1 each, of which 250 were issued and fully paid for, and 1,000 ordinary shares of £1 each, of which 552 were issued and fully paid. The objects of the company were to manufacture and prepare carpet-cleaning preparations, etc. It appeared that losses totalling approximately £1,500 had been incurred during the whole period of trading. The present position was attributed to lack of necessary working capital to advertise and place the company's products on the market. The creditors resolved to confirm the appointment of Mr. Booth as liquidator, and a committee of inspection was also appointed.

Proprietary Articles Trade Association

A CONFERENCE of retail delegates of the Proprietary Articles Trade Association was held in London on June 15, the president (Mr. Godber) in the chair. About 150 delegates were present. The following is an abstract from the official report of the conference.

The PRESIDENT, in opening the proceedings, welcomed the representatives of the various interests. The difficulties of the P.A.T.A., continued the president, had partly arisen out of its very success. The Government Committee on Restraint of Trade had evidently been deeply impressed with the fairness of the P.A.T.A. procedure. The Council were being guided by the highest legal advice.

Mr. H. E. CHAPMAN (general secretary), after giving a brief account of the origin of the Association, pointed out that since the end of the recent war the manufacturers' membership had increased to 4,300. The number of articles protected was between 2,000 and 3,000. The P.A.T.A. price-maintenance system had been of more material benefit to the retail drug trade than any other factor in pharmacy. Cutting was taking place in newly opened shops, in markets and in stores in most of the industrial areas, particularly in the London district and in places like Leeds. The larger the number of distributors outside the trade, the more difficult it was to protect the prices of the articles. In addition, wholesale distribution had grown enormously. It was this factor which made efficient control over distribution difficult. Retailers would have to face the problem that with the enormous distribution to-day and the heavy advertising of popular articles, efficient control depended on a drastic change in the conditions under which some of these articles were marketed.

Mr. G. A. MALLINSON (secretary, Retail Pharmacists' Union) said that the P.A.T.A. needed all the support the retail trade could give it if it were to weather the present position, and the R.P.U. would do its best to help the Association in its difficulties. He felt that the P.A.T.A. would have to purge from their ranks of retailers men who were supplying the cutters. Retail chemists had overlooked the fact that the moment they asked the manufacturers to put on the P.A.T.A. anything that was sold universally and not mainly through the drug trade, they were asking for trouble. He was convinced that there was a considerable leakage of goods through a section of the wholesale trade, and thought the Association might have to purge the trade of some of the present wholesalers and make it necessary for manufacturers to refuse wholesale terms to certain individuals. The delegates ought to know that the P.A.T.A., as it exists to-day, was still the envy of almost every other trade, who regarded the position of the drug trade with its powerful P.A.T.A. as a very favoured one. He was not worried too much about the future, because he believed that the Executive of the P.A.T.A. had the matter well in hand.

Mr. J. A. KENNINGHAM (organising secretary) said that about three months ago the Association had called a meeting of about fifty manufacturers whose articles were the subject of intensive cutting, and the Executive had suggested to these manufacturers proposals which it considered were the minimum it could ask those manufacturers to conform to if they were to remain members of the P.A.T.A. It had been discovered that there were literally hundreds of wholesalers of whom the P.A.T.A. had no record whatever, who were doing business with the manufacturers. This must be stopped. There would be inter-coding by wholesalers. If the Council thought it necessary for the continued success of the P.A.T.A. that half a dozen or more leading lines should be removed from the list, retailers could show their loyalty by accepting and endorsing the decision. Steps were being taken to discover those retailers who were buying their P.A.T.A. goods in quantities from various wholesalers simultaneously and buying for the cutters. Bonus parcels were a fruitful source of supply to the cutter, and directly aggravated the

difficulties of the position. At the present time eminent counsel were engaged on the revision of the Association's constitution and rules.

Mr. JOHN LAWSON (Boots Pure Drug Co., Ltd.) referred to "the deplorable condition of the retail drug trade in the bad old days" of his apprenticeship. They had with them at that meeting Mr. William Lee, a director of Boots Cash Chemists. Mr. Lee and himself were present to show the keen desire of their firm to support the Association and to express their confidence in the Executive and officers. Not long ago he (Mr. Lawson) was in the United States, where the condition of things was "absolutely frightful," particularly in New York City. Retailers and manufacturers were at their wits' end to know what to do. They looked with envy on the conditions in the proprietary businesses in England. Every chemist should do all he could to refrain and to restrain his colleagues from sporadic reprisals on the cutters in his own district. Reprisals would simply make matters worse. As to the cutting which was going on in some districts, something must be done, and done quickly; but his firm did not wish to begin cutting unless it was shown that the P.A.T.A. and the price-maintenance idea had failed. They were not members of the P.A.T.A., but for many years they had had a "gentleman's agreement," which they had observed most scrupulously in every detail. Cutting was primarily a manufacturer's problem. Cutting could be prevented. The present difficulties of the Association were chiefly due to the fact that it had become respectable, even fashionable, to be on the P.A.T.A. list. The Association and the trade would be much better off with a shorter list of effectively protected articles. He congratulated the Association on the good work it had done for the trade, and wished it great success in its difficult task.

Resolutions

Resolutions from thirteen local associations or branches were considered *seriatim*, and were adopted, modified or rejected. Most of these resolutions had reference to methods of combating price cutting. On the completion of the agenda,

Mr. W. J. HARDY (Belfast) moved the following resolution:—"This conference of retail delegates, having heard a full explanation of the present position and difficulties of the P.A.T.A., records the delegates' appreciation of the work and efforts of the Association, and their realisation that the continued efficient operation of the P.A.T.A. is of vital importance to the well-being of the retail section of pharmacy. The conference urges the Council to take any steps, however drastic, that may be required to combat the price-cutting now prevalent outside the drug trade, and assures the Council of the fullest possible measure of support from the retail section in all such steps as may be taken, and in their decision to remove from the protected list such articles as the Council considers cannot be efficiently protected."

The resolution was carried unanimously.

A vote of thanks to the president terminated the proceedings.

A BEAUTIFUL GARDEN.—"The most beautiful rocks in Sussex, and perhaps in England, are those near East Grinstead which Mr. Hanbury has converted into a garden and made colourful. . . . It is late in the day to extol this precipitous paradise, where pious horticulturists—all made welcome by its hospitable and enthusiastic owner—scramble like goats, expressing as they pass recognition and emotion in long Latin names, and in English murmuring ecstasies of appreciation or lamentations that their own *Lithospermum prostratum* is not so blue, their own *Helianthemum cupreum* not so profuse. For the principal pleasure of visiting other people's gardens, which is to find inferiority to one's own, is absent from Mr. Hanbury's."—E. V. Lucas in "The Sunday Times."

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on July 12, Mr. P. Brooke Kelly (president) in the chair. The other members of the Council present were:—Messrs. C. Cremen (vice-president), T. Costelloe (treasurer), J. F. Costello, D. J. Nugent, Dr. Mitchell, M. J. Kieran, T. J. Smith, J. McCormack, P. Kieran, P. J. Fielding, W. J. McKnight, J. A. O'Rourke, J. Gleeson, J. T. Dwyer and Sir Thomas Robinson.

CHANGES OF ADDRESS

The following changes of address were notified:—Mrs. M. Collins, L.P.S.I. (*née* Walsh), from the Medical Hall, Maghera, to 77 Castlereagh Street, Sydney, N.S.W.; Mr. J. J. Collins, L.P.S.I., from Garry's Medical Hall, Baltinglass, to 18 Duke Street, Athy; Mr. Denis F. Flannery, R.D., from 144 Upper Dorset Street, Dublin, to 30 Bolton Street, Dublin.

CHANGE OF NAME

Mrs. M. J. Drum, M.P.S.I. (*née* Rogan), and Mrs. M. Collins, L.P.S.I. (*née* Walsh), submitted marriage certificates, desiring change of name in the Register.

PRELIMINARY REGISTRATION

The following were granted preliminary registration on submitting certificates from other bodies: Miss M. M. Lee, Miss M. A. Cogan and Miss Kathleen Duffy.

WELCOME AFTER ILLNESS

On the motion of Mr. NUGENT, a motion was adopted welcoming back to the Council meetings Mr. M. J. Kieran and Mr. J. McCormack, both of whom had been seriously ill.

A letter was read from Mr. J. Gleeson thanking the Council for their kind expression of sympathy with him in his recent bereavements.

REPORTS FROM COMMITTEES

The report of the House Committee was adopted, including a recommendation of Mr. Norminton, the lecturer in chemistry, that day courses in chemistry be given during the autumn months to meet the convenience of a number of students who asked for this facility.

The Schools' Committee's report was approved. The report of the Certificates and Declarations Committee, which was also adopted, stated that forty-six candidates applied to go forward for the licence examination, and forty-five were approved. There were three candidates for the Registered Druggist examination, and they were approved. Two of the three presented themselves for examination.

The Poisons Schedule Subcommittee reported that they had completed Part II of the Schedule and were now going on to Part III.

DEATHS

The registrar notified the deaths of Mr. J. W. Dickson, L.P.S.I., and Mr. Francis Boland, R.D.

DONATION TO THE LIBRARY

The registrar reported the receipt of a presentation copy of "The Book of the National University." On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, a motion was adopted tendering the best thanks of the Council to the Publications Committee of the Senate of the National University for its donation to the library.

The registrar reported the receipt of an advance copy of the British Pharmacopeia, which will be published on September 30.

LICENCE EXAMINATION

The PRESIDENT moved: "That on and after February 1, 1933, all candidates presenting themselves for the Licence examination for the first time must produce a certificate of having attended a three months' course of instruction at the School of Pharmacy, and of having passed the class examination of the same."

After discussion, the motion was passed unanimously in the following amended form: "That on and after October 1, 1933, all candidates presenting themselves for the Licence examination for the first time must produce a certificate of having attended a three months' course of instruction at a recognised School of Pharmacy, and that the Regulations be amended accordingly."

VOTE OF SYMPATHY

On the motion of Mr. O'ROURKE, seconded by the PRESIDENT, a vote of sympathy was passed with President de Valera on the death of his mother, all members of the Council standing.

ELECTIONS

The following were elected members of the Society:—Miss Kathleen O'Sullivan, L.P.S.I., the Medical Hall, Fermoy, co. Cork; Messrs. Richard Rourke, the Medical Hall, Mountraith; Leix L. Mongey, 96 Summerhill, Dublin; Standish Stewart, 44 O'Connell Street, Limerick; H. J. MacDevitt, High Street, Ballinamore; A. Oh-Aodha, Central Hospital, Galway; D. J. Broderick, 19 High Street, Capwell, Cork; D. J. Reddy, 44 O'Connell Street, Limerick; J. Reidy, The Mall Pharmacy, Tralee.

Mr. Hugh MacElhinney, R.D., 28 Morehampton Terrace, Dublin, was elected an associate druggist.

French News

From the "C. & D." Paris Correspondent.

THE DEMAND OF THE PHARMACISTS' ASSOCIATIONS for an increased discount on proprietaries has been met with refusal, it being pointed out that the present moment was a particularly unfavourable one to realise the change in retail prices.

THE LIST of proprietaries which may be prescribed under the new Health Insurance scheme has now been drawn up. The names of about four thousand remedies are preceded by a request to doctors not to prescribe proprietaries which are not included in the book.

ROCHELLE SALT.—The Municipal Council of La Rochelle has decided to name a new suburban street rue Seignette, in honour of Elie Seignette, apothecary, and his brother, Jean Seignette, doctor, who introduced into medicine the double tartrate of potash and soda, still known as Rochelle salt.

A BIOLOGICAL ASSOCIATION.—We are informed that membership of the "Association Syndicale des Biologistes Pharmaciens" is open to all British pharmacists interested in bacteriology and biochemical work. The Association publishes a bulletin, which is sent free of charge to all members. Application for membership should be sent to Dr. Rodillon, Président de l'A.S.B.P., 89 Grande Rue, Sens-sur-Yonne.

FIXED PRICES.—The question of the legality of the action of a manufacturer who insists on the marked retail price of his goods being respected has often been discussed. A group of retailers recently petitioned the Minister of Commerce in favour of complete liberty in selling. The Minister referred the matter to Paris Chamber of Commerce, which decided, after citing legal decisions, that "to guarantee healthy commercial and industrial activity, as well as to safeguard the general interest of consumers, the sale at imposed prices should not be prohibited."

A South African Pharmacy

ONE of the finest pharmacies in South Africa has recently been opened to the public by Lennon, Ltd., Pritchard Street, Johannesburg, and photographs of it are published on p. 83. The original establishment was constructed in 1895, and alteration to the present design had to be done while business was being carried on as usual. The new building is five storeys high, and the shop front and entrance is protected by a glass canopy. In designing the entrance the latest ideas have been incorporated. Low windows, set in frames of chromium steel, impart a lightness and finish to the front that is particularly attractive. Excellent effects are obtained by the use of a type of frosted-glass panels. The premises are composed of a series of departments. In one section drugs are retailed; toilet sundries are sold at another; and there is the dispensary and a surgical department. Not the least important innovation is a retiring-room for women. This is fitted out with every comfort for the benefit of the tired shopper. Rubberoid flooring in black and white tiles, with a marble grain, makes for comfort in walking, and is strictly hygienic. The whole scheme of painting is carried out in white lacquer, and this, combined with chromium plated metal on all counters and windows, lends a brightness to the building. The display windows gleam with chromium and stainless steel frames. Cathedral glass borders, and a similar type of glass curtains, complete the window and entrance effects. Attached to the surgical fittings department is a fitting room equipped with a surgical couch. Women will be specially attracted by the toilet requisites counter. This constitutes a department which is in charge of a certified nurse. The dispensary, on the first floor, is most up to date. Here a historical note is struck by the long shelves of ledgers into which have been entered every prescription made up by Messrs. Lennon since 1889.

The Photographic Department

Amateur photographers and cine-camera enthusiasts are certain to be attracted by the "Photographic Rendezvous" which has been set up in the new building. The cinematographic business has justified the company in finding space in their building for a new department which caters specially for the needs of photography. A room is equipped with a projector and a screen where clients, after their cine-films have been processed, may see the results. Outside the room, a space and a counter has been reserved for the Johannesburg Photographic Society. Prize-winning photographs and cups and trophies are displayed on the counter. An elaborate organisation for dealing with the ciné and photographic side of the business has been set up. The printing and developing processes are carried out on the fifth floor. The system adopted is one that allows each process to follow through in sequence from room to room, until the finished article is ready for delivery to the customer. The dark-rooms have no doors. By a series of passages at right angles, daylight is entirely excluded from the inner room. To enter the dark-room one simply walks right round the doorless passage, all draped in black, and into the room. Negatives are developed, fixed and washed, and passed to the drying-room, the drying process being accomplished by an electric fan which circulates the hot air from a radiator. Cinema films are rolled up and prepared for delivery in another room. This department is equipped with a machine for making duplicate copies of films if these are required. Printing and enlargements are carried out in the room adjoining the dark-room for negatives.

The general manager is Mr. J. H. Carter; resident director, Mr. A. G. Norris; manager of the pharmaceutical department, Mr. A. G. Roberts; and the manager of the photographic and cinematographic department, Mr. F. F. Abnett.

Historical

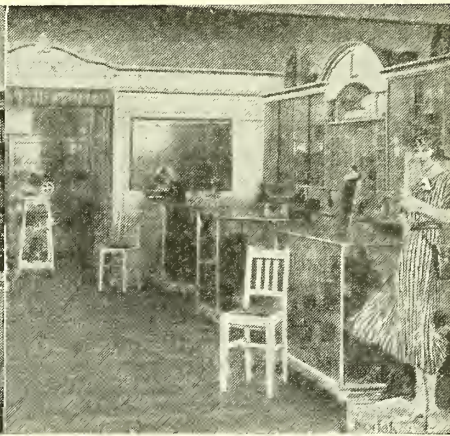
In 1850 the founder of the business, Mr. B. G. Lennon, worked as dispenser to Dr. Dunsterville, in Port Elizabeth. The doctor left for England, and that was Mr. Lennon's chance. He bought up his employer's drugs and equipment, and the chemist's shop that he opened with them in Port Elizabeth was the first Lennon establishment in South Africa. The subsequent history shows that even in a country of comparatively small population like South Africa, there is room for romance in business. The next step was the entry into the firm of Mr. R. A. Fairclough as partner, and the next when Mr. Henry Tebb became associated as managing partner. Mr. Albert Walsh joined the firm in 1880. Forty-five years ago premises were opened up in Capetown, but it is the year 1884 that actually marks the beginning of the modern business, since it was then that they began business on a large scale. Buying offices were established in London. Branches were opened in Bloemfontein, Aliwal North, Beaufort West, Graaff-Reinet and Johannesburg. The partners did not believe in standing still, and moved wherever new fields offered opportunities for enterprise. In 1884 the firm's staff consisted merely of seven. The rapid growth necessitated reorganisation to keep pace with the times, and then was formed a private limited company of B. G. Lennon & Co., Ltd. The three existing partners, R. A. Fairclough, Henry Tebb and Albert Walsh, became managing directors. The business still kept on growing. Lennon acquired the business of the Natal Drug Co., Ltd., Durban. A branch was opened in Bulawayo, and other branches soon followed in East London, Germiston, Salisbury, Kimberley, Mossel Bay, Oudtshoorn, Stellenbosch and Durban. To-day there is hardly a town of any importance in the Union which is not familiar with the name of Lennon. In 1899 the public company, the present one of Lennon, Ltd., was formed, with a capital of £600,000—a far cry indeed from the little Port Elizabeth shop. The men who were with the business in its early days, R. A. Fairclough, Henry Tebb and Albert Walsh, became life directors. Mr. Tebb and Mr. Walsh have since died, and the directorate now consists of Messrs. R. A. Fairclough, J. H. Carter, W. J. Bickle, E. B. Dunkerton, John Pyott and A. G. Norris. The Capetown premises have been extended several times since they were first opened. Huge buildings with elaborate equipment have been erected in Port Elizabeth, where the manufacturing and laboratory work is carried on. The wholesale building erected in Johannesburg, a modern structure that presents a complete expanse of glass on its north and south sides, was designed on the latest principles of architecture and interior planning. The rebuilding of the central retail shop in Johannesburg is the latest development.

Edinburgh Botanical Excursion

The last botanical excursion of the summer session of the Edinburgh Chemists', Assistants', and Apprentices' Association took the form of a visit to the herb garden of Duncan, Flockhart & Co., at Inverleith, on July 8. The large company was divided into two groups and under the direction of Mr. J. J. Blackie (president) and Mr. W. A. Beattie (treasurer) was conducted over the garden. There was a fine display of medicinal plants, the crop of henbane and foxgloves being particularly good. While examining the plants and being supplied with specimens, the collection and manufacture of the drugs into galenical preparations was explained. At the close of a highly successful outing, on the motion of Mr. Lewis, seconded by Mr. Knott, a cordial vote of thanks was awarded to Messrs. Blackie and Beattie and also to Duncan, Flockhart & Co. for the privilege of visiting the garden.



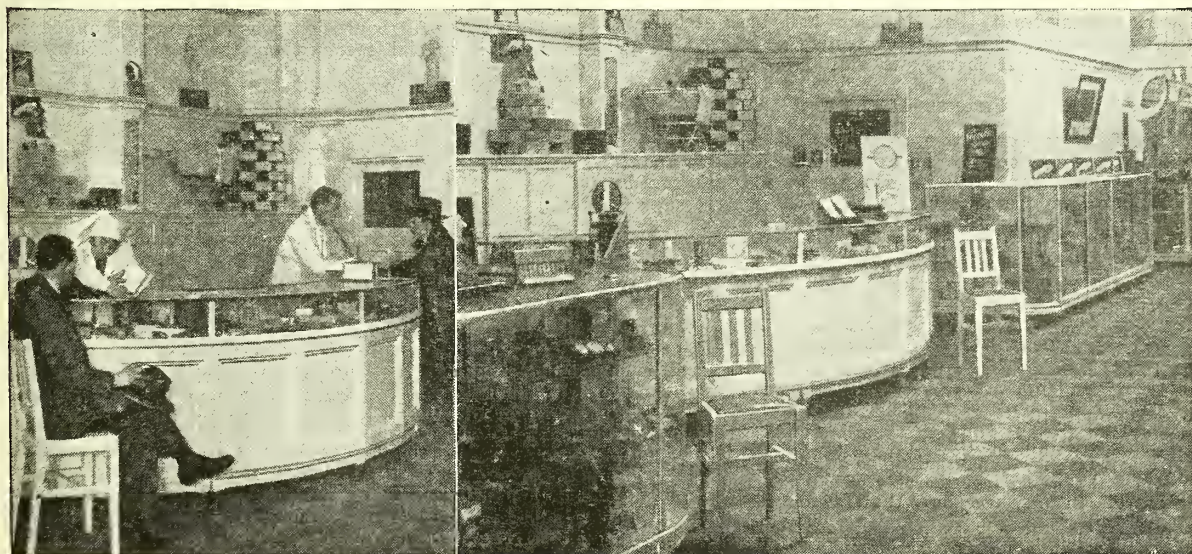
THE TOILET REQUISITES SECTION



THE PHOTOGRAPHIC DEPARTMENT



THE STRIKING ENTRANCE TO LENNON, LTD., JOHANNESBURG.



TWO VIEWS OF THE SURGICAL DEPARTMENT

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held on July 15 in the Society's offices, Belfast, the president (Mr. J. E. Connor) in the chair. There were present Messrs. H. Todd, Fred Storey, S. S. Badger, J. C. Culbert, W. J. Hardy, James Dundee, Samuel Gibson, Dr. Acheson and Dr. Fielden. Mr. David Kirkpatrick (secretary) was in attendance.

PRELIMINARY EXAMINATION

Queen's University reported that Messrs. R. G. Anderson, Walter Guilfoyle, John C. S. Ritchie and Patrick A. Smyth had passed the Pharmacy Preliminary examination; five had passed in four subjects and four in three subjects.

The SECRETARY, in reply to a question, said forty candidates had gone up and only four passed.

PHARMACEUTICAL CHEMISTS LICENSED

The Ministry of Home Affairs forwarded a return of licences issued to pharmaceutical chemists since the preparation of the Register for 1932, up to and including June 30, 1932. No licences were issued to chemists and druggists and registered druggists since the Register for the current year was prepared. The list was as follows:—Richard Hall, 126A Main Street, Bangor; McConnell & Madill, Ltd., 25 Mill Street, Ballymena; Chas. Thompson, 14 Bow Street, Lisburn; Fredk. Robson, 6 Castle Street, Newtownards; R. Boyd Abernethy, 225 Holywood Road, Belfast; Michael J. Halfpenny, Magherafelt; Belfast Co-Operative Society, Ltd., 20 York Street, Belfast; T. W. Reynolds, Ltd., Scotch Street, Dungannon; Christina Mulholland, Meeting Street, Keady; Jas. L. Sterling, 52 Mill Street, Ballymena; Bertie Boyd Morrison, 58 Sandy Row, Belfast.

The SECRETARY said most of these were cases of existing businesses being taken over.

Arising out of a point raised by Mr. DUNDEE, the secretary was directed to take up with the registrar the question of names remaining on the Apprentices' Register after the persons concerned had married and left the business.

Mr. DUNDEE suggested that an indication should be given in the Register as to those pharmaceutical chemists who had transferred from the register of the old society in Dublin. At present it was merely the date of registration with the Northern Society in 1925 and successive years that was given.

Mr. STOREY said that question had been definitely settled in favour of the present system on a legal point.

Mr. DUNDEE: It is easy to star the old names.

FINANCE COMMITTEE

The Finance Committee recommended the conversion of £2,850 5 per cent. War Loan, and this was unanimously agreed to. It was also agreed to put £200 in Ulster Savings Certificates.

REPORTS FROM EXAMINERS

Reports were read from the examiners in connection with the June examinations.

Dr. Fielden and Mr. T. Harper reported that all the candidates, twelve in number, who presented themselves in pharmacy passed. In three instances a high standard both in theory and practice was attained, the remainder reaching a fair average. It was evident careful attention was being paid to this subject.

Professor Small reported that the answers in botany were more satisfactory than usual. The practical, in particular, was, on the whole, considerably above the usual average standard. In pharmacognosy the answers were particularly strong on the practical side, and the list of referred candidates included a number of re-examinees who did not pass in their other referred subjects.

Dr. Emelius (physics) reported that the practical work was uniformly good and called for no special comment. The same applied to the students' laboratory note-books. With a few exceptions the answers to the theoretical paper were poor. Three candidates had very high marks. The remainder of those who passed had very little more than the bare minimum of knowledge required. The oral examination showed that a few of the candidates who had almost the pass marks in the theory paper did actually possess an adequate knowledge of the subject, and these were accordingly raised to the pass mark and are included as passes in the list. The oral examination of the remainder confirmed the assignment of marks to them in their paper work, and he drew attention to the fact that a number admitted they had completely omitted from their reading whole sections of the subject, such as heat or electricity.

Mr. F. G. Walsh (business methods) reported that some of the candidates showed considerable proficiency, while others showed that they had not given it very serious attention. Of the twenty-nine candidates four failed.

Dr. A. Graham (chemistry) reported that in the Final Part I there was an improvement, on the whole, in the practical work of the examination. The answering in the paper on the theory of chemistry was rather poor. On the elementary type of paper set considerably more than 41 per cent. of the candidates should have come up to the pass mark. In the Pharmaceutical Licence examination the practical work was deplorable and the answering of the theory paper no better. The candidates seemed to have very little knowledge of the theory of chemistry prescribed in the syllabus, and the chemistry of the British Pharmacopœia appeared to be a *terra incognita* to all.

MEMBERS ELECTED

The following nominated candidates were elected members of the Society:—Arthur Edward Johnston, 302 Shankill Road, Belfast; James Lowry Sterling, Ballymoney Street, Ballymena; Albert McCagherty, 12 Westminster Street, Belfast; Robert James Gray, Ederney, Kesh, co. Fermanagh, Fredk. Hugh McCullough, Harryville P.O., Ballymena; Henry Theodore Page, 25 Burmah Street, Belfast.

OTHER BUSINESS

The Council discussed the advisability of inviting the British Pharmaceutical Conference to Northern Ireland in 1934 or 1935, and the matter was very favourably received.

Mr. STOREY asked if a statement should not be issued as to when students would be expected to know the new British Pharmacopœia.

The PRESIDENT said they would have to follow precedent and do as was done across the Channel. The secretary was instructed to make inquiries in the matter.

The SECRETARY said that in accordance with custom the notices would be sent out for the August meeting, but it would not be held. The September meeting would clash with the British Pharmaceutical Conference in Aberdeen. A requisition was thereupon handed in to have a special meeting on the second Friday in September.

Wills

MRS. AMY WILLMER WOOLLEY, Windy How, Broadway, Hale, Cheshire, chairman of James Woolley Sons & Co., Ltd., manufacturing chemists, Victoria Bridge, Manchester, who died on April 26 last, left estate gross value £41,091, with net personality, £35,397.

DR. JOHN CLOUGH THRESH, M.D., D.Sc., F.I.C., D.P.H., of Spergula, Chelmsford, Essex, chemist and druggist, late Medical Officer of Health for Essex, who died on May 23 last, aged eighty-one, left estate gross value £31,787, with net personality £29,623.

MR. RICHARD FRANCIS DENNIS, 15 Aberdour Road, Ilford, Essex, artificial limb manufacturer, managing director of Cory Bros., Ltd., and of the Hospital Contracts Co., Ltd. who died on June 9 last, aged sixty-three, left estate gross value of £5,218, with net personality £4,871.

Bottle-feeding the Retailer

By Manufacturer

THE article by "Relasel" is timely; it is hoped that it has been read and re-read by readers. I agree with all "Relasel" writes about motor deliveries and their frequency, but the retailer is not all to blame for the absurd competition that is taking place to-day between the wholesalers, particularly the patent medicine and sundry houses, who in some few cases are giving what is practically an hourly service. One hears of light motor vans being kept in readiness to rush to any part of London and the suburbs to deliver an article or articles to the value of a few shillings. This state of affairs cannot last. Already wholesalers are waking up to the very heavy cost of transport, and the time is not very far distant when a few of them will get together and either decide to reduce considerably the number of daily deliveries or by a process of pooling they may arrange a motor service which is common to them all. It is comical, were it not so serious, to watch half a dozen huge motors, bearing the names of well-known drug houses, delivering one after another goods to two or three chemists in a small town forty or fifty miles away from London, and doing this every day. No van is full, quite likely the six of them do not deliver goods to a total daily value exceeding five pounds; there can be no profit on the transaction. If ever rationalisation is needed it is in the wholesale drug trade, and one can well imagine a superman being engaged for the purpose, devoting his first attention to cutting down the expenses of delivery. "Relasel" points out, and I think his conclusion is justified, that the retailer is no better off at the end of the year, because he is able to take advantage of the short-sightedness of the wholesale trade in allowing him to ring them up several times a day to get supplies. Telephone calls mean money; entering up several invoices where one would suffice, means labour; the danger of running out of stock may mean a lost sale; buying one article at a time of a quick selling line when buying a dozen would mean another 5 per cent. profit margin, means a loss of profit. The labour question alone is an important one, and it would be an interesting bit of business research in pharmacy to discover the percentage cost of labour to turnover to-day as compared with, say, twenty-five years ago; I think it would be found to be greater to-day. Just as the wholesaler finds his overheads are increasing and he is taking every means in his power to-day to reduce the percentage

cost, so is the retailer in the same position, and he also should use every endeavour to cut them down: it is suggested that the present hectic method of doing business is actually increasing the cost of overheads.

Retailers to-day are living in a fool's paradise so far as prices are concerned; we allude particularly to the prices they are paying for their drugs; this matter has been mentioned before in these pages. For some time past they have been able to buy their drugs, even in small quantities, at prices which are below the N.H.I. tariff. The consequence has been that they have been enabled, without any big outlay on drugs in quantities, to make quite a nice profit out of Insurance dispensing. How long this condition of affairs will remain is not known; this much may be said, that the difference between the prices at which drugs can actually be bought and the N.H.I. tariff prices will certainly be a smaller one in the future, with results that will affect the profit margins of the pharmacist.

There is one other matter which should be touched upon in closing. Smaller profit margins are the order of the day upon many of the lines which once were regarded as the particular province of the chemist to sell, but which to-day are passing into other hands. The competition by certain shops in selling perfumes at prices which are as low as 6d. for a 10-oz. bottle of a really good preparation, will affect the chemist very badly. Already he is retaliating. We do not blame him, but his turnover as well as his profits will be most seriously affected by such competition, and it would appear that the palmy years since the war, so far as the sales of perfumery and toilet goods are concerned, are passing not to return.

This all may sound very pessimistic, but it is not the pessimism of hopelessness; far from it. Pharmacy has a future, but under different conditions from those obtaining to-day. Old idols will have to be broken, old shibboleths discarded, a new conception of the business side of the calling will have to be put forward and studied. A new economic world is slowly rising from the ruins of the old one, and pharmacy cannot escape from the new conditions. To make the most of these conditions will mean that not only will the pharmacist have to refuse the doubtful sustenance that the contents of the bottle can give him, but the manufacturers and wholesalers will have to stop the practice of offering it.

Capturing the New Resident

To the chemist who is seeking avenues for increased business, the newcomer to the district affords a specially favourable opportunity. Unlike those who have lived in the town for years, the new resident is wedded to no particular shop; in securing his custom, the chemist has not to combat the goodwill already established by his rivals. Hence a timely appeal, made immediately the newcomer settles down in his new home, will often engage his interest, and the good relations thus established may well remain unbroken for years. A chemist in a London suburb recently adopted an unusual but highly successful method of approaching new residents and arousing their interest in his service. By arrangement with a trader whose daily rounds embraced the whole of the area from which the chemist was likely to draw customers, he obtained early notification of the arrival of all new residents, with their names and addresses. The chemist then arranged with the publishers of the local newspaper—in which he was a regular advertiser—to post a free copy of the journal to the new residents every week for one month. He, on his part, at once sent a well-written letter to the new-

comers, informing them that he had arranged for them to be put on the free subscription list for a month, and expressing the hope that they would accept this small gift "as our method of saying 'Welcome.'" He then pointed out that his own advertisement appeared regularly in the newspaper, and remarked that a perusal of the weekly announcement would no doubt prove both interesting and advantageous. There could scarcely be a more effective means of impressing the name on a stranger to the district, and of suggesting modern methods. In another instance, a chemist has secured good results from the distribution of a small booklet specially prepared to interest newcomers. This idea is of particular value in rapidly-growing districts, where new arrivals appear almost every day. The booklet in question is small enough to slip easily into the pocket, and the contents largely consist of information invariably required by new residents, such as the whereabouts of churches and chapels, public parks, notable buildings, and so on. Several pages, of course, deal with the chemist's own business, and describe the various services that he undertakes. Such a production is almost certain to be retained by the average recipient, and when a chemist is needed the new resident's natural impulse will be to refer to the booklet for the name and address.—G. F. W. (4/5).

Trade Notes

PARFUMERIES DE PARIS, LTD., Larden Road, Acton, London, W., announce the introduction by Houbigant of a handbag size of Quelques Fleurs face powder.

A. L. SIMPKIN & CO., LTD., Sheffield, have introduced a lemonade product containing dextrose, some particulars of which are given in the company's advertisement.

SHAVING BRUSHES, LTD., Albion Street Works, Birmingham, who have specialised in the manufacture



of shaving brushes for a number of years, are able to offer chemists these toilet requisites in the following varieties:—Pure badger in bone or non-split handles (also in real ivory handles); badger and hair in bone or non-split handles; hog bristle string bound; imitation badger in bone handles. Only best quality materials are used, of a form to give the most efficient service, well shaped and proportioned to the handles, in which the knots are securely set. The pure badger knots are made in various grades, ranging from super quality for the higher priced lines, to good quality hair which provides a high grade brush at a moderate figure. The badger and hair knots are made up of a mixture of best selected hair formed with a liberal capping of real badger, resulting in a brush

combining satisfactory service with attractive appearance. The bristle knots range from the snow-white type to the half-white. The imitation badger knots, as in the case of the badger and hair, are made up from best selected hair only. For those who do not wish to go to the expense of real badger hair, this class of knot forms an excellent substitute. A large range of handle patterns is run as standard, both in bone and in special composition material, which latter provides a handle having the advantages of being non-split and enabling pleasing and artistic designs, in white, black and white, imitation horn or ivory to be employed. When carried out in imitation ivory, a faithful representation of real ivory is obtained, and they are finished off with collars in a range of various satin colours, giving a most pleasing and attractive appearance. These imitation ivory sockets made up with knots in pure badger, badger and hair, or hog bristle are run as a special range, the new and tastefully coloured show stand in which they are supplied providing an attractive display for window or counter. In addition to the large range of handle patterns referred to in the foregoing, customers' own designs are catered for.

DIGINUTIN, which was introduced by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, as a stable solution of the total glucosides of digitalis leaf, is now also available as Tabloid Diginutin. It is issued in two strengths equivalent to mv. and mx. of Diginutin respectively, in bottles of 25 and 100.

KAZBEC.—Under this name there has been placed on the market a liquid which can be spread on paper, linen or other material in daylight and when dry a photograph can be printed by contact with a negative. The material can then be washed or ironed without damaging the print. The distributors are McNeal & Albu, 143 Marylebone Road, London, N.W.

RASEVAN.—Norman Evans & Rais, Ltd., 50 Ellesmere Street, Hulme, Manchester, in their advertisement in this issue state that Rasevan "actually kills moths, grubs and other pests."

MAY, ROBERTS & CO., LTD., druggists' sundriesmen, 7 Clerkenwell Road, London, E.C.1, announce that a new edition of their catalogue will be published shortly. Chemists who have not hitherto obtained a copy of this useful list are recommended to write for it.

BETTON'S SPECIALITIES.—Leyland & Thomas, Ltd., manufacturing chemists, Hornspit Lane, West Derby, Liverpool, have taken over the manufacture and marketing of Betton's Wormine and Betton's Vegetable Stomach Pills. These specialities have been manufactured since 1863 by Mr. Betton, Liverpool.

CLOSED FOR HOLIDAYS.—Thomas Tyrer & Co., Ltd., manufacturing chemists, Stratford, London, E.15, inform us that their works and warehouses will be practically closed on Friday, July 22, to Tuesday morning, August 2, the period of the annual holidays. Only urgent or post orders can be attended to during this period.

DIMOL LABORATORIES, LTD., 40 Ludgate Hill, London, E.C.4, writing to us regarding their new Dimol 43 Pulverette, state that the carboic coefficient is, as its name implies, no less than 43, whereas that of the older product was 35. With this enhanced potency there remains, as before, a complete lack of toxicity. In addition to the increased germicidal value as indicated by the carboic coefficient (Rideal-Walker test) the new product is more readily emulsifiable.

JOHN DEW'S MILK SOAP.—John Dew, Ltd., 180 New Bond Street, London, W.1, have recently placed on the market a new soap, which by virtue of its quality and the elegant presentation, has been the subject of many favourable comments. The soap is beautifully milled and stamped, and possesses a delicate odour which will not clash with the perfume of the individual. It lathers freely, and, containing no free alkali, leaves the skin in a velvety condition. The soap, which is protected under the P.A.T.A. scheme, is shortly to be the subject of a national advertising campaign. Chemists will be able to test the soap for themselves free on receipt of a request.

VINOLIA DISPLAY MATERIAL.—Vinolia Co., Ltd., Bebbington, Cheshire, have ready for issue the following display items: No. 187, shaving stick display stand; No. 188, shaving cream display stand; and No. 190, soap golf ball tee stand. Two of these are illustrated herewith. These stands have distinct novelty, and are



particularly useful in that they not only act as a display stand for the pack, but as a strong price card, the price of the pack being shown boldly on each cut-out. An important point is that with the No. 188 and No. 190 cut-outs, dummy packs will be despatched, thus obviating the necessity to us actual stock. The company has also produced a cut-out stand designed to hold any standard size wrapped tablet of Vinolia soap, and a folder relating to Lembenol insect bite lotion.

Births

Notices for insertion in this column must be properly authenticated.

CUZNER.—On July 18, Marjorie, the wife of H. Roy Cuzner, chemist and druggist, Applecross, Stanley Avenue, Beckenham, of a son.

HUGHES.—At the Nursing Home, Hucknall, Nottingham, on July 2, Edythe Margaret (*née* Bowman), wife of Philip R. Hughes, M.P.S., F.B.O.A., F.S.M.C., 17 Outram Street, Sutton-in-Ashfield, of a son (Philip Graham).

WALKER.—At The Cottage, Nightingale Lane, Clapham Common, London, S.W., on July 10, Doris, the wife of L. J. Walker, Ph.C., F.C.S. (Potter & Clarke, Ltd.), of a son.

Marriages

HARRIS—LODDER.—At All Saints' Church, West Southbourne, Bournemouth, on July 6, William Joseph Harris to Daphne May, daughter of Mr. A. E. Lodder, chemist and druggist, Bournemouth.

HAWKINS—ADAMS.—At St. George's Church, Stonehouse, Plymouth, on July 16, David George Hawkins, chemist and druggist, to Dorothy Lacy Adams.

Deaths

BRUMLEU.—At Haywards Heath, on July 14, after a brief illness, Mr. William Charles Brumleu, aged seventy-three. Mr. Brumleu retired from the business at 7 Mincing Lane, London, E.C.3, that bears his name, in 1919, but until a few days before his death took a keen interest in the firm's affairs. The funeral took place on July 19, and the service was held at the Parish Church, Haywards Heath, where he regularly attended.

JONES.—On July 13, Mary Elizabeth (Molly), beloved wife of Mr. T. C. Jones, chemist and druggist, 21 Adare Street, Bridgend, Glam.

LOCKWOOD.—Recently, Mr. Thomas Lockwood, retired chemist and druggist, "The Woodlands," Pateley Bridge, Yorks, aged seventy-one. Mr. Lockwood was formerly in business at Otley, and afterwards at Pateley Bridge.

MEAKIN.—On July 16, suddenly, Mr. William Meakin, dentist, chemist and druggist, 576 Mansfield Road, Sherwood, Nottingham. Mr. Meakin qualified in 1903, and acquired his business two years later. He was one of the founders of the Chemists' Dental Society, and six years ago became chairman of the local branch of the Pharmaceutical Society. Mr. Meakin was a prominent freemason, and served for a time on the Nottingham Board of Guardians. He leaves a widow, a son and a daughter.

PARKER.—At his residence, 250 Oldham Road, Ashton-under-Lyne, on July 13, Mr. Bernard Latham Parker, chemist and druggist, aged forty-nine. Mr. Parker was in business at 163 Stamford Street, Ashton, till three months ago, and previously had a pharmacy at Oldham.

SMITH.—At Whitstable, on July 10, Miss Margaret McAlpine Smith, chemist and druggist. Miss Smith was drowned while bathing. She studied at the Heriot Watt College, Edinburgh, and qualified in 1924. Early in her career Miss Smith took a keen interest in all matters connected with pharmacy, and was for a time secretary of the Edinburgh Chemists' Assistants' and Apprentices' Association. She left Edinburgh some

years ago to take up an appointment in the South. The funeral took place at North Merchiston Cemetery, Edinburgh, on July 14, in the presence of a large assembly. There were numerous floral tributes. A correspondent (18/7) writes:—

The Society has lost an enthusiastic supporter, and many an aspiring student will miss the helpful assistance in their studies which Miss Smith ungrudgingly gave. "To live in the thoughts of those we leave behind is not to die."

Personalities

MR. W. R. PARKIN, chemist and druggist, Stevenage, has been elected president of the local chamber of trade.

MR. E. C. WHILE, chemist and druggist, West Hartlepool, is in a local hospital suffering from severe injuries to the head as the result of a motor-cycle accident.

MR. T. MARNS, chairman of the Law Committee of the Pharmaceutical Society, is sailing for New York on July 23. Mr. Marns will attend the Toronto Pharmaceutical Conference (August 22-27) as a delegate of the Pharmaceutical Society.

MR. CYRIL H. WILKINS, representative of The British Drug Houses, Ltd., left England in the "Berengaria" on July 16 for New York, *en route* to Canada, where he will, as manager for a period, fulfil a special engagement with The British Drug Houses (Canada), Ltd.

MR. G. D. DENWOOD, chemist and druggist, who has recently retired, had been for thirty-six years in the service of Boots, Ltd., twenty-eight of which were spent as manager of the Chesterfield branch. The directors have presented Mr. Denwood with a silver tea and coffee service, and the staff have given him a silver cigarette case.

MR. O. F. C. BROMFIELD, J.P. (a member of the C. & D. editorial staff), as chairman of the Bexley Council, was introduced to H.R.H. the Duke of York and to the Lord Mayor of London on July 19, when they visited the North-West Kent Industrial Exhibition and Historical Pageant, held at Hall Place, Bexley, the residence of May, Countess of Limerick.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," July 13, 1932.)

- "SOAKALENE"; for wood preservatives (1). By J. G. Pawsey & Son, 174 High Street, Shoeburyness, Essex. 532,270.
- "VULCAPRENE"; for chemicals (1). By British Dyestuffs Corporation, Ltd., Hexagon House, Blackley, Manchester. 532,450. (Associated.)
- "MURAMEL"; for chemicals (1). By Solignam, Ltd., 12 Norfolk Street, Strand, London, W.C.2. 532,571.
- "BOSTO" and "SANGRAL"; for fertilisers (2). By Lasco, Ltd., 33 Carruthers Street, Liverpool. 532,650/651.
- "FLOSOL"; for insecticides (2). By Einstein's Electro Chemical Process, Ltd., 3 Central Buildings, Westminster, S.W.1. 530,675.
- "VIONASE"; for chemicals (2). By Wilcox, Jozeau & Co. (Foreign Chemists), Ltd., 15 Great St. Andrew Street, London, W.C.2. 532,051. (Associated.)
- "TATS"; for veterinary chemicals (2). By The Molassine Co., Ltd., 82 Tunnel Avenue, East Greenwich, S.E.10. 530,837. (Associated.)
- "MATRON"; for toilet paper (3) and (39). By J. Rutherford & Co., Ltd., Victoria Road, Holloway, London, N.7. 530,705/746. (Associated.)

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

T/207. Barilla (for white hair)	B/207. Mydol (London source)
M/207. Dr. Thomason's pills	C/207. Radiosocks (Radiosox)
S/117. Floria insecticide	T/147. Roger Gadstone's specific
W/157. Grains of Hugrow	A/207. Silicated wood
L/197. Hille's colloidal mercury sulphide	W/197.—Sononjell
B/207. Horley's bone wax	W/197. Thoreps

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The British Pharmacopœia, 1932

THE impending issue of a new British Pharmacopœia is, as we pointed out in our issue of July 9 (p. 41), an event of prime importance to chemists, and especially to manufacturing chemists, as the manufacturer is legally responsible for seeing that the articles supplied by him conform to the requirements of the Pharmacopœia in force at the date of supply. The General Medical Council, to whom the right to print and publish the work is entrusted by statute, have officially announced that the Pharmacopœia at present in force is to be superseded as from October 1 next by a fresh work to be formally published on September 30, the publication taking effect by virtue of the statutory notices which will appear in the Gazettes. The position, therefore, with which chemists will be faced will be that a new Pharmacopœia will be placed before them embodying the many changes which have taken place in the interval between 1914 and the date of the new issue, and they will be required to adjust at once their operations and trading practices to fresh standards. No interval is allowed within which chemists may lawfully dispose of any stocks they may have which do not conform to the requirements of the new book.

Complaints from the Trade

It is not surprising that this state of things should provoke complaints from those who are especially affected. Among manufacturing chemists, May & Baker, Ltd., and Evans, Gadd & Co., Ltd., have protested by letters in the public Press against the hardship which the course followed inflicts on wholesalers in their position. They point out that the only alternative open to traders who do not wish to break the law is to suffer the loss of much valuable stock which is suddenly made obsolete by the coming into force of the new Pharmacopœia. And they ask with some show of reason why the Medical Council Act of 1862, which provides that the Pharmacopœia shall come into force immediately upon publication, could not be altered so as to read that it shall come into force on some subsequent day, say, six months after publication.

General Medical Council's Attitude

The official attitude of the General Medical Council to these contentions is given in the form of a letter, dated July 13, signed by the registrar to the Council. In his letter the registrar makes no attempt to controvert the chemists' statement of what the law is of which they complain. Indeed, he says that his Council had considered the difficulties with which the manufacturers are confronted, but that they were restrained from doing anything more than has

been done to remove them by two main considerations. First, he says they were advised that any other course than that taken by the Council might endanger the copyright of the Pharmacopœia; and secondly, that what Messrs. May & Baker asked for would, if conceded, have involved a risk of the disclosure of certain methods and processes confided by manufacturing firms and individual chemists to the Council in confidence. A very slight consideration will show how little substance there is in either of these reasons as a ground for refusing the change in practice for which manufacturing chemists ask. The Act of 1862 provides that the Pharmacopœia is to become operative immediately on publication, and chemists appreciate the obstacles to securing the copyright of a work where the matter of the book has become accessible to the public prior to actual publication. But they say that this is quite beside the question at issue here, and they ask why the formal publication cannot take place as at present, and the coming into force of the Pharmacopœia be deferred for a time, say, three or six months. This would merely necessitate the substitution in Section 3 of the Medical Council Act, 1862, for the words "when published" as the date on which the book should come into force the words "three or six months," as the case may be, "after its publication"; or, to adopt a phrase which has come to be common form in our Health Acts, "such date as the Minister may by order appoint." This would at once obviate any risk of loss of the copyright and secure to chemists the interval needed to dispose of their obsolete stocks. And this or some such provision, it may be said, is common in the law as to pharmacopœias in Continental countries. As to the second of the reasons given in the registrar's letter, it surely loses all force in view of the course which he says is actually followed of allowing access by chemists interested to copies of the new and as yet unpublished book. That this facility of access is restricted does not touch the question in issue.

Reservation of Copyright

It is a chief part of the case for the Medical Council, as against manufacturing chemists who feel aggrieved at the withholding of some of the information contained in the new Pharmacopœia, that in fact reasonable access to the information is permitted on the same lines as those followed in the cases of the 1898 and 1914 works. Such a contention as this invites comment. In the first place, a period of nearly twenty years has elapsed since the latest of these dates, and what was then found adequate for trade needs may well be far from sufficient now. Indeed, actual experience is showing its inadequacy. Further, the phrase "reasonable restrictions" can have a widely different meaning according as it is interpreted by the body imposing them or by the body of persons on whom they are imposed. As to this, it may be said that the Council has it in its power to distribute prior to publication copies of the book where called for without in any way endangering its copyright on publication. The power to enforce this reservation is retained in the Copyright Act, 1911.

The British Pharmacopœia, 1932

The review of the contents of the new British Pharmacopœia commenced in our issue of July 16 (p. 67), is now continued with a summary of the principal changes in the pharmacy of the work and notes on new drugs and chemicals.

Pharmacy Changes

COLLODIUM FLEXILE is the only official collodion, and it is made flexible with resin (the new official name being colophony) and castor oil.

EMPLASTRUM BELLADONNÆ.—Rubber plasters of the same alkaloidal strength are admissible; otherwise there is no change.

EMPLASTRUM CANTHARIDINI.—The strength is the same as before, but the plaster is prepared differently by solution of cantharidin in acetone instead of chloroform, and addition of castor oil, with a reduction of the beeswax and the wool fat. The plaster is more easily spread.

EXTRACTUM COLOCYNTHIDIS COMPOSITUM.—Aloes replaces extract of aloes with a compensating increase; otherwise the balance is maintained.

EXTRACTUM ERGOTÆ LIQUIDUM.—This preparation is brought into line with the research which has taken place. It is made with acidified alcohol, and adjusted to contain 0.06 per cent. of total alkaloids of ergot calculated as ergotoxine. It loses activity on keeping, but should not fall below 0.04 per cent; the alcohol content is 40 per cent., and 20 minims contain about 1/90 gr. of the total alkaloids calculated as ergotoxine.

INFUSUM SENNÆ RECENS.—Senna leaves are discarded in favour of the fruit in this preparation, as in *Mistura Sennæ Composita*, and in the new concentrated infusion. The Syrup also contains the principles of the fruit, as it is made from *Extractum Sennæ Liquidum*. The only preparations containing senna leaves are *Confectio Sennæ* and *Pulvis Glycyrrhizæ Compositus*.

LIQUOR ADRENALINÆ HYDROCHLORICUS.—The change here is in the preservative, chlorbutol being used instead of chloroform.

LIQUOR ARSENICALIS is no longer coloured, and in accordance with international agreement is a neutral solution of arsenic trioxide equivalent to 1/12 gr. in 3 minims. Apparently it is expected the new solution will displace the present acid and alkaline solutions of arsenic.

LIQUOR CRESOL SAPONATUS (lysol) is made with linseed oil instead of castor oil, a reversion to the original method. Apparently any other suitable oil may be used so long as the final product complies with the tests for purity.

PILULA HYDRARGYRI is of the same strength as formerly, but is remodelled with syrup, glucose and glycerin instead of the old confection of rose, which has been deleted.

PULVIS IPECACUANHÆ ET OPII is the international name for *pulvis ipecacuanhæ compositus*, the name by which it is known in our "dangerous" drugs exemptions list; as this is given as a synonym, presumably no correction will be necessary. Potassium sulphate is replaced by lactose, and the strength of the preparation is given in terms of anhydrous morphine (1 per cent.).

PULVIS RHEI COMPOSITUS.—Gregory's powder undergoes a marked change. The rhubarb is increased from 22 to 25 per cent.; the light magnesia is replaced by equal parts of light and heavy carbonate approximating to the same weight; and the ginger is reduced from 12 to 10 per cent.

SYRUPUS FERRI IODIDI.—The glucose is replaced by dilute hypophosphorous acid.

SYRUPUS FERRI PHOSPHATIS CUM QUINNA ET STRYCHNINA (synonym, Easton's syrup) adds another complication. The attempt to produce a satisfactory syrup is sound pharmacy; but when we read that the proportion of strychnine is approximately one-half of that in the corresponding preparation of 1914, a some-

what different meaning is attachable to "Easton's syrup." Caution over this preparation will certainly be needed in October. The addition of glycerin improves the syrup and it helps to prevent it darkening.

SYRUPUS LIMONIS is a reconstruction on cheaper lines, citric acid replacing lemon juice.

TINCTURE.—The following tinctures have undergone slight modification. *Cardamom*: The glycerin is reduced to half and the alcoholic strength is 60 per cent. against 45 per cent. at present. *Cinchona* is made from *Extractum Cinchonæ Liquidum* to the same strength (1 per cent.). The same modification is made in *Compound Tincture of Cinchona*. *Colchicum* is made from the liquid extract to contain 0.03 per cent. of colchicine. *Hyoscyamus* is made from the liquid extract to contain 0.005 per cent. of alkaloids of hyoscyamus. *Lemon*: The alcohol is reduced from 90 per cent. to 60 per cent. *Quillaia*: Alcoholic strength is 45 per cent. instead of 60 per cent. *Compound Rhubarb* is increased in alcoholic strength from 45 per cent. to 60 per cent. *Senega* is made from the liquid extract. The making of these tinctures from liquid extracts will ease the position of stocks, as the chemist can easily make sufficient tincture for his requirements and only stock the liquid extracts. The modification in these tinctures is a practical pharmaceutical advance.

TROCHISCI.—A general process for lozenge making precedes the monographs; the fruit base is deleted; variations occur, and are set out for bismuth and phenol lozenges; the latter are tinted pink with carmine of commerce, owing to the acquisition of colouring in these lozenges on exposure.

UNGUENTA.—Simple ointment has replaced soft paraffin in *Unguentum Chrysarobini*, benzoated lard in *Unguentum Hydrargyri Ammoniaci*, *Unguentum Hydrargyri Subchloridi*, *Unguentum Hydrargyri Oleati*, *Unguentum Sulphuris* and *Unguentum Zinci Oxidi*. *Unguentum Acidi Carbolic* becomes *Unguentum Phenolis*, and the composition is changed from a white paraffin base to one made up of white wax, lard, hard and soft paraffins. *Unguentum Paraffini* has the white beeswax reduced from 30.0 to 20.0, the hard paraffin from 270.0 to 80.0, and soft paraffin increased from 700.0 to 900.0. The ointment will be of a distinctly softer character.

New Drugs and Chemicals

ACIDUM HYPOPHOSPHOROSUM DILUTUM, containing 10 per cent. of H_3PO_3 , is introduced owing to its use in *Syrupus Ferri Iodidi*, and in making precipitated bismuth for the injection.

ACIDUM TRICHLORACETICUM is doubtless given official recognition owing to its extended surgical use as an escharotic.

ACRIFLAVINA, $C_{14}H_9N_3Cl.HCl$ (the name by which it is generally known becomes official), is the hydrochloride of 2:8-diamino-10-methylacridinium chloride, and is largely used in antiseptic solutions (1 in 1,000) or suspended in oil—usually liquid paraffin.

ÆTHYLENUM, containing 98 per cent. of C_2H_4 , is a gas used in anaesthesia. It has certain advantages over nitrous oxide, and as an anaesthetic seems to occupy an intermediate position of usefulness between nitrous oxide and ether.

AGAR is the contracted form of "agar-agar," B.P.C.; but the synonym there given, "Japanese isinglass," was not acceptable. Though agar is used in the preparation of media, its official status is probably due to its use in intestinal atony.

ALCOHOL.—The primary strength of alcohol is 95 per cent., which is that of the ordinary one in commerce from which the other percentages are obtained. The

90-per-cent. strength retains the synonym "Rectified Spirit." In connection with alcohol, the Pharmacopœia, as we have previously shown, shows a material advance by including within the appropriate monograph the alcohol content. The various strengths of alcohol do not differ from those in the previous Pharmacopœia.

AMIDOPYRINA, $C_{13}H_{11}ON_3$, is another official synthetic antipyretic; in many respects it is considered more satisfactory than phenazone. It was originally introduced under the trade name "pyramidon." It is largely used in conjunction with certain hypnotics, such as barbitone, as a fused mixture or in combination. Hypnotics of this character are said to be increased in potency by the addition of an antipyretic, and amidopyrin is the one generally accepted.

AMMONII BICARBONAS, NH_4HCO_3 .—This is a new official ammonium salt, though it is in the B.P.C., which states that it is suitable for effervescent draughts, and may be used as a stimulant in place of the official carbonate. It will probably require a new generation of medical students to adopt this instead of the old ammonium carbonate.

AMYLOCAINÆ HYDROCHLORIDUM is the hydrochloride of the benzoyl ester methylethyl-dimethylaminomethyl-carbinol, and is commonly known in medical practice as "stovaine" and used with dextrose solution or normal saline. It is generally put up in suitably sterilised ampoules for the anæsthetist, the dose by intrathecal injection being from 0.02 to 0.1 gm.

ANTIMONII ET SODII TARTRAS, $C_4H_4O_6SbNa$, is a new official antimony salt. (Antimonium Tartaratum is still the synonym of Antimonii et Potassii Tartras.) It is preferred in treatment of certain protozoal infections—in filariasis (a disease caused by a filiform worm living in the lymphatics of the trunk and extremities); bilharzia (a fluke living in the portal and pelvic veins) and kala-azar (a protozoon in the spleen and marrow common in parts of India and China). It may be given by mouth. It is used in ampoules as a sterile injection, 0.03-0.12 gm. intravenously. (The metric weights are now all in terms of the gram.)

ANTITOXINUM DIPHTHERICUM becomes official together with A. TETANICUM and A. WELCHICUM. They are all prepared and controlled under the Therapeutic Substances Act, 1925, with particular instructions on assay, storage and labelling. The first two serums are well known; the third one, frequently referred to as the gas-gangrene antitoxin (perfringens), is steadily becoming a strong competitor in use with that for tetanus. Street accidents, if the skin is broken, are usually treated with a prophylactic dose of antitetanus serum, 1,000 units. Decay of body tissues introduces a gas-producing bacterium, which often causes peritonitis. Anti-gas serum (ANTITOXINUM WELCHICUM) is frequently given as a precautionary measure in doses of 1,000 units. Storage of these serums is ordered at as low a temperature as possible above their freezing point—which is not entirely helpful.

BARBITONUM SOLUBILE is the sodium salt of 5:5-diethyl-barbituric acid. The synonym of barbitone is barbital, which is the American term. This official recognition rectifies one of the glaring omissions from the 1914 volume.

BARI SULPHAS, $BaSO_4$, is the insoluble salt of barium used for diagnostic purposes with x-rays, and is given in varying quantities, blended with arrowroot, sugar, and tragacanth and flavoured with cocoa, dried milk or proprietary foods, the whole being made into a cream. Emulsions are also made, chiefly for rectal use. Being made official will standardise the purity, but there has been no doubt about this for years. Its chief drawback is that sometimes the powder has a slightly gritty characteristic very disturbing to patients. The Pharmacopœia does not appear to be aware of this defect, but it is rather common in the cheaper varieties.

BELLADONNA PULVERATA (0.03 per cent. of alkaloids calculated as hyoscyamine) comes under the class of drugs by international agreement providing uniformity for all pharmacopœias. These remarks apply equally to COLCHICI SEMEN (with 0.3 per cent. of colchicine); DIGITALIS PULVERATA (standardised biologically); HYOSCYAMUS—leaves and tops—in flower dried (0.05 of

alkaloids calculated as hyoscyamine); IPECACUANHA PULVERATA (not less than 2 per cent. of total alkaloids); LOBELIA (strength of dried plant in tincture, 20 per cent. w/v); NUX VOMICA PULVERATA (1.2 per cent. of strychnine); OPIUM PULVERATUM (10 per cent. of alkaloids, calculated as anhydrous morphine); STROPHANTHUS (biologically standardised); ERGOTA (standard, not less than 0.05 per cent. of total alkaloids). Galenicals made from these drugs are harmonised with the same standards where necessary, but are comparatively of minor importance, and any variations will be indicated in reviewing them.

BENZOCAINA, syn. Ethylaminobenzoate, was introduced into medicine under the trade name anæsthesine. It is another of the drugs common to the U.S.P. X and the B.P.C.; it is used for its local sedative action on inflamed surfaces, anæsthetising sensory nerve-endings. It is chiefly used in dusting powders (5-10 per cent.), in oil as a spray, or in ointments.

BISMUTHUM PRÆCIPITATUM (98.5 per cent. of metallic bismuth).—A solution of bismuth trichloride is readily reduced with hypophosphorous acid, yielding bismuth metal in a fine state of division. When suitably made up in an injection it is used intramuscularly in V. D. clinics. It is a marked advance to standardise the various bismuth injections.

CAFFEINÆ ET SODII BENZOAS is a mixture of caffeine and sodium benzoate; the caffeine is soluble in sodium benzoate and suitable for hypodermic injection as a cardiac stimulant. It may tend to displace caffeine-sodium salicylate, as it is more satisfactory. The active principle, of course, is the caffeine.

CARBONEI DIOXIDUM, CO_2 , is one of the new gases made official. It is used externally in the formation of the so-called carbonic snow produced by evaporation of the gas from the cylinder in which it is contained; the snow is pressed into the form of pencils and by means of a suitable application is applied to remove nævi, moles, etc., by freezing. It is used also as a respiratory stimulant with oxygen in strengths 5-10 per cent., that of 7 per cent. being a favourite. It accelerates respiration after anæsthesia, and thereby frees the blood stream more easily from the anæsthetic. The test for purity is the blood test with pyrogallol and tannic acid to indicate absence of carbon monoxide. Another gas made official is NITROGENI MONOXIDUM, which is required to contain not less than 93 per cent. v/v of N_2O ; it acts as a neutral gas and produces anæsthesia. It is more extensively used than formerly, and has become an important anæsthetic alone or in combination with ether vapour, in major operations; later the oxygen facilitates the recovery of consciousness. OXYGENIUM is also official, and contains not less than 98 per cent. v/v of O_2 . There are tests for carbon dioxide limits, halogens, acids, alkalis and oxidising substances.

CARBONEI TETRACHLORIDUM CCl_4 , probably owes its official recognition to its medicinal use as an anthelmintic, especially for hookworms. The dose is 30-60 minims; it should be kept in well-closed bottles away from light.

CARBROMALUM is a U.S.P. X word, but it carries the synonym "uradal," the name by which it was known in the B.P.C. It is α -bromo- α -ethylbutyrylcarbamide, and was introduced under the trade name of adalin. It is a non-barbituric sedative used in neurasthenic conditions, and as a hypnotic in simple insomnia.

CHLORAMINA, synonym Chloramine T, is sodium para-toluenesulphonchloroamide, an antiseptic dependent on its chlorine content. Though it does not give up chlorine as rapidly in presence of organic matter as hypochlorites, it has proved on that account more useful as a steady antiseptic. It can be used in strengths between 0.2 per cent. and 2 per cent.

CINCHOPHENUM, $C_{18}H_{19}N_3O_7$, the official name of the U.S.P. X for the drug known under various trade names such as atophan, agotan, etc., has been adopted as the title in the B.P., with the B.P.C. name quinophan as a synonym. It belongs to the quinoline carboxylic acid class of drugs, and probably owes its official recognition to its use in aiding the excretion of uric acid. The dose is 5-15 gr.

(To be continued.)

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, July 21

THERE is no particular feature to comment upon this week. The markets are keeping steady, and in some instances there is a distinct tendency on the part of shippers to get away from the recent bottom prices. Business has been rather patchy, with just a few products in each market attracting most interest. In the pharmaceutical chemicals market business has been rather quieter, but quoted values are steadily maintained, there being no material alterations to record, except a further reduction in cream of tartar by the home maker. The demand for crude drugs is still somewhat disappointing, and it is anticipated that, except for one or two lines, the sales at to-day's public auction will be unimportant. Japanese camphor and menthol remain dull. Buchu is a firm market with a tendency to advance on account of shortage at origin. Cloves show a slight improvement, and peppers are steadier. Opium is firm. Business in essential oils in the aggregate has been fairly satisfactory, with the demand mostly limited to a few lines. Bois de rose is firm with Cayenne very scarce. Java and Ceylon citronella are again dearer, and the markets are steady. Sicilian lemon on spot and for shipment varies according to brand. Japanese peppermint is nominal on spot, owing to lack of business. The American oil tends to advance for shipment. Rather less business is reported this week in fixed oils, and values are not so steady. American turpentine is cheaper, and palm oils are dull and irregular. Industrial chemicals are all fairly steady, with a limited demand continuing, mostly met from home sources of supply. Coal-tar products are subdued, but there is a growing inquiry for carbolic acid crystals.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	July 21	Value of the £
Amsterdam ..	Fl. to £	12.107	8.85½	14/7½
Berlin ..	Mks. to £	20.43	15	14/8½
Brussels ..	Belga to £	35	25.72½	14/8½
Copenhagen ..	Kr. to £	18.159	18½	20/5½
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22½	44½	34/11½
Milan ..	Lire to £	92.46	70	14/11½
Montreal ..	Dol. to £	4.86½	4.10½	16/10½
New York ..	Dol. to £	4.86½	3.56½	14/8
Oslo ..	Kr. to £	18.159	20.10	22/1½
Paris ..	Fr. to £	124.21	91	14/7½
Praque ..	Kr. to £	164.25	120½	15/5½
Stockholm ..	Kr. to £	18.159	19.47½	21/5½
Warsaw ..	Zloty to £	43.38	32	14/9
Zurich..	Fr. to £	25.2215	18.32½	14/6½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

WHILE values are mostly keeping quite steady, the volume of business done during the past week has hardly come up to expectations. Seasonal products are moving moderately well, but some other lines are rather badly neglected. Mercurials are unchanged at last week's reductions.

ACETANILID remains quiet in demand; market steady: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb. as to quantity.

AMIDOL.—Business is fair in smallish quantities; prices unchanged: 56 lb., 7s. 3d.; 23 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

AMIDOPYRIN is irregular, with some spot offers well below replacement costs on current rates of exchange: crystals, two cwt., 17s.; less than two cwt., up to 17s. 6d. per lb., with powder 2d. per lb. extra.

ASPIRIN continues very steady at makers' and dealers' prices and business is satisfactory. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 23 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb. f.o.b.; less than one cwt., 2s. 9d. per lb., works.

BARBITONE varies to some extent on quotation on spot; business is rather slow: spot, one cwt., 10s. 10d.; 56 lb., 11s.; smaller parcels, up to 11s. 6d. per lb.

BENZOIC ACID (B.P.) continues in fair demand, with the market steady: quantities, ex works, 1s. 10½d.; spot parcels, 1s. 11d. to 2s. per lb., ex store.

BISMUTH SALTS.—Makers' prices are as follows.—

	8 lbs. and under 23 lbs.	23 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.
Carbonate ..	7 0	6 6	6 3
Citrate ..	9 3	8 9	8 6
Nitrate cryst. ..	4 11	4 5	4 2
Oxide ..	10 4	9 10	9 7
Salicylate ..	7 9	7 3	7 0
Subchloride ..	10 2	9 8	9 5
Subgallate ..	7 5	6 11	6 8
Subnitrate ..	6 2	5 8	5 5

A rebate of 3d. per lb. will be allowed on sales of not less than two cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for within three months. Liquor bismuthi (B.P.) in w-qts., 1s. 1½d. per lb.; in six w-qts., 11d. per lb.; in 12 w-qts., 9½d. per lb.; in 36 w-qts., 9d. per lb. Without engagement.

BROMIDES.—The market is unchanged, with makers and dealers quoting at level figures: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 1d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb., net, without engagement. Special prices for larger quantities.

CAFFEINE remains at low figures, with not much business moving: pure alkaloid, 5s. 6d. to 6s. per lb.; citrate, 4s. 3d. to 4s. 9d. per lb. as to quantity.

CHLORAL HYDRATE.—Home makers' prices are steady: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 4d.; one cwt., 3s. 5d.; 56 lb., 3s. 6d.; 23 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 23-lb. jars, one penny per lb. extra.

CITRATES.—Home makers are quoting as follows: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C., 1923, 1s. 8d.; ferri ammon. cit. B.P. (brown), 1s. 9d. per lb., in 23-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS).—Home makers continue to quote at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are quoting at competitive prices.

CREAM OF TARTAR.—Makers' price for 99 to 100 per cent. for home consumption is again reduced with the figure now down to 90s. per cwt., less 2½ per cent. discount, nominal and without engagement.

GUAIACOL CARBONATE.—Spot business is limited; dealers' prices about unchanged: one cwt., 7s. 9d.; 56 lb., 7s. 10d.; 23 lb., 7s. 11d.; smaller parcels, up to 8s. 3d. per lb.

HEXAMINE.—Gold standard prices are as follows: free-running crystals, five cwt., 1s. 8d.; two cwt., 1s. 8½d.; smaller parcels, up to 2s. per lb.; dealers quote spot: two cwt., 2s. 3½d.; one cwt., 2s. 4d., and smaller parcels, up to 2s. 8d. per lb.

HYDROQUINONE.—Dealers' prices are unchanged: business fair in limited quantities: ten cwt., 4s. 8½d.; five cwt., 4s. 9½d.; two cwt., 4s. 10½d.; one cwt., 4s. 10¾d.; 56 lb.

4s. 11½d.; 28 lb., 5s. 1½d.; 14 lb., 5s. 3½d.; 7 lb., 5s. 5½d. per lb., carriage paid.

LACTIC ACID (B.P.).—Business is limited, with competition for good bulk lots: quantities, in carboys, 1s. 5½d. to 1s. 6d. per lb.; small lots, in demijohns and winchesters, 1s. 7d. to 1s. 8½d. per lb., carriage paid.

MERCURIALS.—Makers' prices for these salts continue at the reduced prices recorded last week.

METHYL SALICYLATE (B.P.).—This market is a good feature, with makers' and dealers' prices steady: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; smaller quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices are steady, but business remains slow: two cwt., 13s. 9d.; one cwt., 19s. 3d.; 56 lb., 19s. 9d.; small parcels, 20s. 6d. per lb.

METOL is moving in smallish quantities, with the market steady: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in tins, bottles extra. Wholesale distributors' prices for small quantities at higher rates.

MILK SUGAR.—Some occasional business is being done, with keen competition with Continental material: one ton, 50s. 6d.; ten cwt., 51s. 6d.; two cwt., 52s. 6d. per cwt., in two-cwt. cases.

MOLYBDATES.—Makers' prices are steady: molybdic acid, 28 lb., 5s. 3d.; 7 lb., 5s. 6d.; smaller quantities, 5s. 9d. per lb.; ammonium molybdate, 28 lb., 5s.; 7 lb., 5s. 3d.; smaller quantities, 5s. 6d. per lb. net, packages extra. Special prices for contracts and bulk quantities.

MORPHINE.—Makers' prices are as follows:—

	Under 5 oz.	5 oz. and over assorted	For 100 oz. assorted contracts over 6 months	For 250 oz. assorted contracts over 6 months
Morphine:				
alkaloid precip. ..	..	..	..	..
meconate ..	..	..	..	..
tartrate (neutral) ..	..	..	..	..
acetate ..	..	..	..	..
hydrochloride powder ..	..	..	..	..
sulphate ..	..	..	..	..
	oz.	oz.	oz.	oz.
	23/2	22/1	21/7	21/1
	18/8	17/10	17/4	16/10

Fall clause for contracts of 100 oz. and over.

PHENACETIN.—Business is rather restricted, with some keen spot prices; forward would be dearer on current rates of exchange: crystals, ten cwt., 5s. 1d.; five cwt., 5s. 2d.; two cwt., 5s. 4d.; and less, up to 6s. per lb., with powder 2d. per lb. extra.

PHENAZONE is not showing much life and there are occasional keen spot sellers; forward would be dearer on current rates of exchange: crystals, ten cwt., 9s.; five cwt., 9s. 2d.; two cwt., 9s. 4d.; and less, 9s. 9d. per lb., with powder 2d. per lb. extra.

PHENOLPHALEIN.—The market continues competitive, with cwt. lots about 3s. 9d. up to 4s. 3d. per lb. for small parcels.

POTASSIUM PERMANGANATE (B.P.) is very steady and business in small quantities is moving well: spot, bulk quantities, in drums, 8½d. to 9d.; druggists' parcels, 9½d. to 10d. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Dealers are quoting spot supplies from 4s. 8d. to 5s. per lb. as to quantity. Market is dull.

PYROGALLIC ACID.—There is no change in makers' prices for home trade; business fair in limited quantities: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—The Convention price is maintained at 2s. 4d. per oz., carriage paid on bulk quantities.

RESORCIN.—Business has been rather quieter; market is steady: crystals, one cwt., 4s. 6d.; 56 lb., 4s. 7d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb., with powder 3d. per lb. extra.

SALICYLIC ACID (B.P.).—Home makers' prices are firm and unchanged: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL.—Convention prices are holding, but there is not much business moving: crystals, two cwt., 5s. 2½d.; one cwt., 5s. 4½d.; 56 lb., 5s. 6d.; smaller parcels, 5s. 7½d. per lb., with powder 2d. per lb. extra.

SODIUM BENZOATE (B.P.) is a competitive market and a fair business is being done in limited quantities: bulk quantities, 1s. 7½d.; cwt. lots, 1s. 8d.; smaller parcels, up to 2s. per lb.

SODIUM DIETHYLBARBITURATE.—Dealers' prices vary to some extent, while the market is dull: spot, one cwt., 12s. 8d.; 56 lb., 12s. 10d.; 28 lb., 13s.; 14 lb., 13s. 2d.; smaller parcels, up to 13s. 9d. per lb.

SODIUM SALICYLATE (B.P.).—Home makers' and dealers' prices are steady and a fairly good volume of business is being done. Home trade: powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb., with crystals 1d. per lb. extra.

STRYCHNINE.—Makers' prices are unchanged, the following prices operating:—

	Small quantities	16 oz.	35 oz.
	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.
Pure, crystals ..	2 11	2 9½	2 9
„ powder ..	2 10	2 8½	2 8
Arseniate ..	2 10½	2 9	2 8½
Bisulphate ..	2 4½	2 3	2 2½
Hydrochloride ..	2 7½	2 6	2 5½
Hypophosphite ..	5 4	5 2½	5 2
Nitrate ..	2 5½	2 4	2 3½
Phosphate ..	3 5	3 3½	3 3
Sulphate ..	2 7	2 5½	2 5

350-oz. lots and 1,000-oz. lots at 2½d. and 3d. per oz. less than prices for small quantities, 25-oz. or one-kilo tins free, net, in 30 days, or less 1 per cent. for payment within ten days, carriage paid on 1,000-oz. lots.

SULPHONAL.—Dealers' prices are about steady; business is not of much account: crystals, two cwt., 15s.; one cwt., 15s. 6d.; 56 lb., 15s. 9d.; small parcels, up to 16s. 6d. per lb.; powder, 2d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—Business has been fairly satisfactory, with home makers quoting 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

THEOBROMINE.—The market is rather irregular on quotation; business is difficult: pure alkaloid, 5s. to 5s. 6d.; sodium salicylate, 4s. 9d. to 5s. 3d. per lb. as to quantity.

THYMOL.—The following paper figures are being discounted; business is slow: synthetic, fine white, one cwt., 5s. 10½d.; 56 lb., 6s.; 28 lb., 6s. 1½d.; 14 lb., 6s. 3d. per lb.; ex ajowan seed, one cwt., 7s. 6d.; 56 lb., 7s. 7½d.; 28 lb., 7s. 9d.; 14 lb., 8s. per lb.

VANILLIN.—There are occasional offers at rather less than the following prices; business is moving slowly: ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb. as to quantity.

Crude Drugs, etc.

A REPORT of the drug auction held on July 21 will be found at the end of the Trade Report.

ACONITE ROOT.—Dealers are quoting Japanese at about 62s. 6d., and Napellus at 70s. per cwt., spot.

AGAR-AGAR.—The spot market is steady and unchanged with business quiet. Kobe No. 1, 3s. 1½d.; No. 2, 2s. 10½d.; Yokohama No. 1, 2s. 1d. per lb. Shipment is rather dearer, with Kobe No. 1, 2s. 2d., with 2s. 1d. paid; No. 2, 1s. 10d.; Yokohama No. 1, 1s. 10d. per lb. c.i.f.

ANTIMONY.—Market is quoted unchanged and quiet. Chinese crude, spot, £16; shipment, £13 5s. c.i.f. Chinese oxide, spot, £25; shipment, £17 10s. c.i.f.

BUCHU.—Reports indicate there is more interest in this article, and supplies at origin are stated to be limited. The spot market is firm and tends to advance.

CAMPHOR.—This market has been very quiet again. Spot is quoted about unchanged, with Japanese slabs, 2s. 5d.; tablets, 3s. per lb. Shipment, slabs, 1s. 10½d.; flowers, 1s. 10½d.; tablets, 2s. 4d. per lb., c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CELERY SEEDS.—The spot price has advanced to about 130s. per cwt.

CHAMOMILES.—New crop is expected about mid-August, subject to the weather conditions during the next few weeks; crop should be of good quality. There is very little of last season's crop available.

CLOVES.—Values have advanced and the market is now fully steady. Business has been fair. Zanzibar, spot, 7½d.; shipment, August-October, 6½d. per lb. e.i.f. Madagascar, spot, 7½d. per lb.

The landings of Zanzibar in London during the week ended July 16 were *nil*, and the deliveries 11, leaving a stock of 1,847, against 439 in 1931. From January 1 to date landings of Zanzibar have been 4,350, against 954 in 1931, and the deliveries 4,490, against 1,534 in 1931. Landings of Madagascar for the week ended July 16 were *nil*, and the deliveries 10, leaving a stock of 1,554, against 1,276 in 1931. Landings of Madagascar this year to date have been 782, against 2,113 in 1931, and the deliveries 235, against 1,743 in 1931.

COCOA BUTTER.—Prime English is quoted from 9¼d. to 10¼d. per lb., as to quantity.

COCONUT (DESICCATED).—The market is fully steady and values are maintained on the week. Spot, fine, 24s.; medium, 23s. 6d.; shipment, halves, July-August, 20s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—There is a moderate inquiry for shipment, and the market tends to harden with shippers not anxious to do business at recent rates. Finest Lofoten steam refined non-freezing medicinal oil, now quoted at about 80s. per barrel, c.i.f. Spot is dull with small lots ex wharf, duty paid, about 95s. per barrel.

GELATIN.—The higher prices recorded last week are maintained. Spot, gold leaf, 2s. 2d.; silver leaf, 2s.; bronze leaf, 1s. 8½d.; thin leaf, 1s. 7½d. per lb. in cwt. lots.

GENTIAN.—Spot supplies are reported to be small, and the price is in the region of 45s. per cwt.

GINGER.—The market is steady and a fair business is reported. West African, spot, 22s. 6d.; for arrival, 20s. per cwt.

LICOPodium.—Dealers are offering spot at about 3s. 6d. per kilo.

MENTHOL.—The spot market has been more or less lifeless and quotations or K/S brands would be about 12s. 9d. per lb., and less for bulk quantities. Shipment is about unchanged, but there is not much doing: July, 10s. 6d.; August-September, 10s. 3d.; October-December, 10s. per lb., c.i.f.

MERCURY.—The Spanish-Italian group quotation for shipment is nominal, but they are meeting all competition. Spot values are in the region of £10 5s. per bottle, ex warehouse.

OPiUM.—There is nothing to add to our report of last week. The shipment market continues firm at the equivalent of fully 1s. 4d. per unit, landed and duty paid.

PEPPER.—The market is steadier this week and values show a slight improvement. Lampong, spot, 6¼d.; shipment, July-August, 5¼d.; August-October, 4½d.; October-December, 4½d. Tellicherry, spot, 7d.; shipment, August-September, 64s. Aleppy, spot, 6¾d.; shipment, August-September, 60s. 6d. White Muntok, spot, 7¼d.; shipment, July-August, 6½d.; August-October, 6½d., c.i.f., sold.

PIMENTO.—The market is firm as quoted and more business moving. Spot, 2¾d. per lb.; shipment, July-August, 22s. per cwt., c.i.f.

RUBBER.—Following a further slight recovery in values the market closes rather dull and a little below best. U.K. stocks total 106,949 tons, against 103,525 tons last week and 136,463 tons a year ago. Standard ribbed smoked sheet, sellers, spot, 13½d.; July, 1½l.; August, 1½d.; September, 1½d.; October-December, 2½d.; January-April, 1933, 2½d.; April-June, 2½d. per lb.

SAFFRON.—Dealers' prices are unchanged at last week's reduction: spot, prime B.P., 55s. 9d.; extra B.P., 52s. 6d.; super B.P., 48s. 9d. per lb., and less for bulk quantities.

SASSAFRAS BARK.—Some supplies of select are offered at about 11d. per lb. spot.

SEEDS.—ANISE.—Spanish, 52s. 6d.; Turkish, 35s.; and Russian, 37s. 6d. per cwt., on spot. CANARY.—Market quiet; Mazagan, 15s.; Tangier, 14s. 9d.; Kenitra, 14s. 6d., spot. LINSSEED.—Spot Mazagan 13s., and Morocco 12s. 6d. CORIANDER is unchanged. Morocco 1929 crop on spot, 16s., and wormy 14s. 3d.; 1932 crop for shipment is 13s. 6d.

e.i.f. CUMIN.—Market rising; Morocco, on spot, has been sold at 28s.; 30s. is now quoted. No c.i.f. offers. FENUGREEK.—Tunisian, 15s. 6d. spot, and Morocco 13s. 6d. CARAWAY.—Dutch, on spot, quoted at 32s., duty paid. MUSTARD.—English, 21s. to 32s. 6d. per cwt., according to quality.

SHELLAC.—Quotations are about unchanged on the week, with the market steadier. Spot, standard TN orange, 56s.; fine orange, 60s. to 120s.; pure button, 65s. per cwt. For delivery, TN sellers, August, 48s.; October, 49s. 6d.; December, 50s. 6d.; for arrival, TN sellers, July-August, 46s. per cwt., e.i.f.

SQUILL.—Some spot supplies of fair white are quoted at 26s. 6d. per cwt.

VANILLA.—The following prices are quoted for spot supplies of Bourbon: extra quality, 4s. 9d. to 7s.; superior, 4s. 7d. to 8s. 4d.; first splits, 4s. 7d. to 7s. 4d. per lb. as to size, from 4½ inches up to 8 inches; shipment from Continent: Bourbon, extra, 4s. 6d. to 11s. 9d.; superior, 4s. 4d. to 11s.; surfine, 4s. to 10s. 9d.; first splits, 4s. 3d. to 9s. 6d.; second splits, 4s. 1d. to 9s. per lb., ex warehouse, duty paid.

WAX (VARIOUS).—The markets have been rather quiet, but the tone generally is steady. CARNAUBA, fatty grey and chalky grey is steady at 80s.; medium yellow, steady, 140s.; fine yellow, 150s. CANDELILLA is unchanged at 90s. per cwt.; SPERMACE, steady at 9¼d. per lb., spot; PARAFFIN is about steady from 22s. 6d. to 50s. per cwt. as to melting point. CERESIN is quoted from 35s. to 80s. per cwt., as to colour and melting point. BEES' is about steady, with the market quiet; bleached, discs, £7 10s.; slabs, £7 5s.; yellow refined, £5 12s. 6d.; yellow crude, 97s. 6d. per cwt., spot.

Essential Oils, etc.

THERE is a tendency towards firmer conditions in some of these products, particularly where spot supplies are limited. Shipment prices for bois de rose, Cayenne and Brazilian, are difficult to secure, and consequently spot is holding firm. Spot and forward prices for Sicilian hand-pressed lemon continue to vary to a great extent. American peppermint for shipment tends to harden on poor crop reports. Java and Ceylon citronella are dearer.

ALMOND is moving in the usual small quantities, with prices unchanged: genuine s.a.p., 8s.; sweet almond, 2s. per lb., spot.

ANISE (STAR).—The spot market has been very dull; shipment shows a fractional advance: spot, "Red Ship," in leads, 2s.; in tins, 1s. 10d.; in drums, 1s. 9d.; shipment, in leads, 1s. 7½d.; in tins, 1s. 6½d.; in drums 1s. 5½d. per lb., c.i.f.

BERGAMOT.—The Consortium are offering spot at the reduction notified last week, namely, about 9s. 6d. per lb. Independent spot holders are offering at keenly competitive prices. Business appears to have been unimportant.

BOIS DE ROSE.—The spot position shows little change on the week. Owing to acute scarcity of Cayenne, the price for any available would be fully 9s. to 9s. 3d. per lb. Brazilian, on spot, is mostly in firm hands, wanting from 3s. 11d. to 4s. 4d. per lb. It is difficult to obtain any definite information as to shipment values, there being practically nothing offered.

CARAWAY has been called for now and again, and there is some rather cheap spot material available for a quantity. Spot is from about 8s. to 8s. 4d. per lb., as to quantity, for Continental twice rectified.

CASSIA.—Business has been rather poor, but spot is steady at about 3s. 9d. to 3s. 10d. per lb., and a shade less for a line. Shipment on current exchange works out about 3s. 1½d. per lb., e.i.f.

CEDARWOOD continues to find a moderate business with spot about 1s. 9d. to 1s. 9½d., in drums; small lots, up to 1s. 11d. per lb.

CINNAMON LEAF is holding at the former rates of 3s. 4d. to 3s. 6d. per lb. in most quarters; there may be sellers at less.

CITRONELLA.—The recent improvement here is maintained and a steady, if in most cases a rather limited-sized business is moving. Java is again rather dearer on spot at 2s. 9d., with shipment 2s. 5½d. per lb., e.i.f. Ceylon is also firm on spot, due to lack of information for shipment, with very few offers coming through. Spot is quoted in the region of 1s. 8d. to 1s. 9d. per lb., as to quantity.

CLOVE.—English 90 to 92 per cent. is steady at about 4s. 6d. per lb., in cwt. lots. Madagascar on spot is quoted at 3s. 10d. per lb., with shipment about 2s. 10d., c.i.f.

EUCALYPTUS.—Business of any importance is lacking here, but the market is about unchanged. Spanish, 70 to 75 per cent., 1s. 2d.; Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., and slightly less for bulk quantities.

GERANIUM.—Any demand for Bourbon on spot seems to have been met by isolated cheap sellers. The usual price quoted is now about 25s. per lb. Algerian is mentioned at about 24s. 6d. up to 25s. 6d. per lb., with little interest shown.

GINGERGRASS is unchanged on a dull market, with spot at 7s. 2d. to 7s. 3d. per lb. as to quantity.

JUNIPER BERRY (B.P.) does not show much life, with spot in ordinary lots about 4s. 6d. to 4s. 8d. per lb., and less for bulk quantities.

LAVENDER.—The spot market is irregular; holders of first-class brands are not willing to cut their prices. The shipment price for a good brand is about 9s. per lb., c.i.f.

LEMON.—There is a firmer tone in the shipment market for Sicilian hand-pressed, and we understand that a genuine brand of oil is now in the region of 5s. and upwards per lb., c.i.f. There are, however, shippers at less, down to about 4s. Spot has been moving fairly well with the removal of the import duty, with prices varying from 4s. 2d. to 5s. 6d. per lb. Californian oil, 57 cents per lb., in drums.

LEMONGRASS.—Business in smallish quantities has been done at 1s. 11d. to 2s. 1d.; bulk quantities, about 1s. 10d. per lb.; shipment, about 1s. 8½d. per lb., c.i.f.

LIME.—A fair business is being done and the market is steady: genuine West Indian, spot, 35s. to 36s. per lb.

MANDARIN has been of little interest, with spot about 16s. per lb., and less for quantities.

ORANGE.—This market is showing a fair business, and the tone is steady. Sicilian sweet, spot, about 7s. 3d. to 7s. 6d.; shipment, about 6s. per lb. c.i.f. West Indian, hand-pressed, 5s. 6d. per lb. c.i.f. French Colonial, 5s. 9d. per lb. c.i.f. Californian, spot, 80 to 90 cents per lb., as to quantity.

PALMAROSA is a steady market with spot well held at about 8s. 6d. to 8s. 9d. per lb., as to quantity.

PEPPERMINT.—The spot market for Japanese demethylised is practically nominal, with business lacking: quoted at about 3s. 9d. per lb. The shipment market is steady, and some business is reported; July, 3s. 3d.; August-September, 3s. 2d.; October-December, 3s. 1½d. per lb., c.i.f. American oil for shipment is at about 1 dollar 35 cents per lb. c.i.f. Reports state that a definite and material shortage in crop is anticipated, and that the market tends to advance.

PETITGRAIN is about unchanged on a dull market: spot, about 4s. 2d. to 4s. 4d. per lb. as to quantity.

ROSEMARY.—Spot offers of Spanish are at about 1s. 9d. to 1s. 10d. per lb. as to quantity. Shipment, new crop, about 1s. 5½d. per lb. c.i.f.

SAGE.—Shipment offers are now being made in the region of 1s. 7½d. per lb., c.i.f., September shipment.

SANDALWOOD.—Genuine East Indian distilled is quoted at 24s. 6d. to 25s. 6d. per lb., as to number of cases.

SASSAFRAS is steadier on spot at 4s. 6d. to 4s. 9d. per lb., as to quantity, with a little business moving.

SEARMINT.—There is not very much inquiry: spot is unchanged at about 8s. to 8s. 3d. per lb. as to quantity.

WORMSEED seems to be steadier with spot at from 9s. 6d. to 9s. 9d. per lb., as to quantity.

The following quotations are current for synthetics, etc.: Acetophene, 6s. 3d. to 6s. 6d. per lb.; amyl acetate, pure, 125s. per cwt.; technical, 115s. per cwt.; amyl salicylate, 2s. 2d. per lb., in cwt. lots; aubepine, ex para cresol, 9s. to 9s. 6d. per lb.; benzaldehyde, f.f.c., 2s. 1d. to 2s. 4d. per lb.; benzyl acetate, f.f.c., 1s. 5d. to 1s. 8d. per lb.; benzyl alcohol, 1s. 7d. to 1s. 9d. per lb.; bromstyrol, 100 per cent., 12s. to 12s. 6d. per lb.; butyric acid, 3s. 3d. to 3s. 6d. per lb.; citrol, chemically pure, 7s. 6d. to 7s. 9d.; coumarin, 15s. to 14s. per lb.; ethyl phthalate, 2s. 8d. to 2s. 9d. per lb.; eugenol, 7s. 10d. to 8s. 6d. per lb.; geraniol, ex palmarosa, 16s. to 18s. per lb.; heliotropin, 100 per cent. crystals, shows a considerable reduction, being now quoted at 4s. 11d. to 5s. 9d. per lb., as to quantity; iso eugenol, 10s. 6d. to 10s. 9d. per lb.; methyl anthranilate, 6s. 6d. to 7s. 6d. per lb.; mirbane, 8½d. to 10d. per lb.; musk ketone, 29s. 10d. per lb., with bonus for quantities; phenyl ethyl alcohol, 8s. to 8s. 6d. per lb.; safrol, 2s. to 2s. 6d. per lb.; terpineol, 1s. 3d. to 1s. 6d. per lb.

Industrial Chemicals, etc.

RATHER quiet markets are reported but prices quoted are being steadily maintained. Acetic acid, acetone and formaldehyde are keen but sound markets. Red and white lead are unchanged. Potassium carbonate is dearer. **ACETIC ACID.**—A fair demand with the market steady; 80 per cent. technical, £37 5s.; 80 per cent. pure, £38 5s. per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £59, in glass demijohns; glacial, in barrels, £48 per ton, carriage paid in U.K. **ACETONE.**—B.G.S. is in moderate request and values are maintained; quoted from £65 to £68 per ton, in drums, carriage paid in U.K. **AMMONIA (ANHYDROUS)** is moving well in small quantities; 99.95 per cent. material, 11d. to 1s. 2d. per lb. in loaned drums, carriage paid, and slightly less for important contracts. **AMMONIUM CHLORIDE.**—The market is steady; business about normal; grey galvanising, £20 per ton, in casks, ex store; slightly less for contracts. **ARSENIC.**—Continental is available on spot from £25 per ton, ex wharf, duty paid. **BLEACHING POWDER.**—Makers quote for home consumption at £8 15s. per ton, for 4-ton lots, carriage paid. **FORMALDEHYDE.**—The market is competitive; business moving; 40 per cent. by volume, from £23 per ton, in casks, ex store. **ISOPROPYL ALCOHOL** is moving off quite well at keen prices; first quality, ex acetone, 11s. 6d. to 12s. per gallon, in drums, carriage paid; ex "cracked petroleum" qualities, 9s. 6d. per gallon. **LEAD ACETATE** is rather dull and unsteady; brown, £33 5s.; white, £35 5s. per ton, in casks, ex store. **LITHOPONE** is steady and a moderate business is being done; 30 per cent. Continental red seal, £20 per ton, ex store. **OXALIC ACID** is rather cheaper with cask lots of one cwt. at about 47s. 6d. **POTASH CAUSTIC** (88 to 92 per cent. solid).—Dealers prices are steady, business rather quiet; quoted from £38 10s. to £40 10s. per ton, in drums, ex store. **POTASSIUM CARBONATE** has been in some demand; dealers quote at slightly higher prices: 90 to 92 per cent., about £30 5s. per ton; 96 to 98 per cent. about £32 2s. 6d. per ton, in casks, ex store; lower prices for contracts. **POTASSIUM CHLORATE** remains quiet in demand; bulk quantities, 4d. to 4½d.; small parcels, 5d. to 6d. per lb., ex store. **POTASSIUM PERMANGANATE** is a steady market and business is satisfactory; commercial quality, in two-cwt. drums, ½d. to 9½d. per lb., ex store, as to quantity. **POTASSIUM PRUSSATE** is steady and a fair business is recorded; yellow, in quantities, £77 10s. to £80 per ton; small parcels, 8½d. to 9d. per lb., ex store. **RED LEAD.**—English, 5/10 cwt., £27 10s.; 10 cwt./1 ton, £27 5s.; 1/2 tons, £27; 2/5 tons, £25 10s.; 5/20 tons, £26; 20/100 tons, £25 10s.; over 100 tons, £25 per ton, less 2½ per cent., carriage paid; non-setting red lead, 10s. per ton dearer in each case; Continental material, £1 per ton cheaper; Convention prices are unchanged, and subject to withdrawal without notice. **SAL AMMONIAC** is about steady, but business is slow; dog-tooth crystals, £36 10s.; medium, £32 10s.; fine white crystals, £18 5s. per ton, in casks, ex store; slightly less for contracts. **SALTCAKE** is steady and in moderate demand; quoted at about 62s. per ton, in minimum truck lots, in bulk, carriage paid. **SODA CAUSTIC.**—Makers' prices for home consumers are steady. 70 to 72 per cent., £13 12s. 6d.; 76 to 77 per cent., £14 per ton, in drums, carriage paid for bulk contracts; spot lots, 10s. per ton extra. **SODA CRYSTALS (CARBONATE)** is steady at makers' price for home trade of £5 5s. per ton, in bags, f.o.r. works. **SODIUM ACETATE** is slow, but prices are holding at about £22 per ton in casks, ex store. **SODIUM BICARBONATE.**—Makers' price for home trade is steady; refined, in bags, £10 10s. per ton, carriage paid. **SODIUM CHLORATE.**—The demand is slow; bulk quantities, 3d. to 3½d. per lb.; small parcels, from 4d. to 4½d. per lb., ex store. **SODIUM HYPOSULPHITE.**—The market is steady and business fairly good; dealers quote pea crystals in one-cwt. kegs, £15 per ton; commercial quality, £9 10s., in casks, ex store; makers' price for pure crystals to home consumers on contract £15 per ton, carriage paid to buyer's works. **SODIUM PRUSSATE** remains dull, but steady; quantities, 5d. to 5½d. per lb.; smaller parcels from 6d. per lb., ex store. **WHITE LEAD.**—Dry, English, less than five tons, £37 10s.; 5/15 tons, £32 10s.; 15/25 tons, £32; 25/50 tons, £31 10s.; 50/200 tons, £31 per ton, less 5 per cent., carriage paid; Continental, £1 per ton cheaper; ground in oil, English, 1/5 cwt., £47; 5/10 cwt., £45; 10 cwt./1 ton, £44 10s.; 1/2 tons, £43 10s.; 2/5 tons, £42; 5/15 tons, £39; 15/25 tons, £37 10s.; 25/50 tons, £37; 50/100 tons, £36 10s. per ton, less 5 per cent., carriage paid; Continental material, £2 per ton cheaper; Convention prices are unchanged, and subject to withdrawal without notice.

London Drug Auction

Commercial Sale Rooms,
Mincing Lane, E.C.3.
July 21.

At the auction held to-day only eight catalogues were submitted; the offerings were moderate, but the demand generally was quiet. There was no outstanding feature, but prices generally were firmly maintained. Buchu, fine green, was very scarce, and ordinary green fetched higher prices, sellers holding for firm rates. Senna: Tinnevely was only in moderate supply, and fetched fair prices where sold; Alexandrian met no demand. Ipecacuanha continued slow, without any sales being recorded. Benzoin, none changed hands. Olibanum held for previous limits, with still a marked absence of fine drop. Rhubarb, unchanged, with only small sales. Sarsaparilla, rather easier, although grey Jamaica and native red were both sparingly offered. Honey was in ample supply, and the fine grades of Jamaica fetched good prices. There was little or no interest shown in the cheaper grades. There was no interest shown in the offerings of gum acacia. Some twenty odd bales of colocynth were withdrawn. About 160 bags of calumba did not find buyers at the limit. Benguela, conakry, Jamaica and other wax were unsold. Orange peel failed to move. Some cases of Para Capivi balsam were cleared prior to the auction; other offerings of Peru and *tolu* were withdrawn.

ACONITE ROOT.—Nineteen bags of Japanese, good quality, were offered and retired at 55s. per cwt. d/p.

AGAR-AGAR.—A small lot of Yokohama No. 2 was sold "without reserve" at 1s. 2d. per lb. This figure does not reflect the market.

ALOES.—Cape, none offered; 211 cases Curaçao were offered and withdrawn; good livery at 100s., ordinary dark 75s. to 85s. per cwt.; bright capey, part turning was limited at 87s. 6d. Zanzibar, eight cases dark in skins, were bought in at 75s. per cwt.

ANNATTO SEED.—A parcel of 26 bags of good bright Madras was limited at 4½d. per lb.

ASAFOETIDA.—Eighteen cases offered and retired, fair blocky, part dark retired at 85s., and sticky block at 65s. per cwt.

BALSAM.—Ten cases of Para Capivi were disposed of prior to the auction without any price being disclosed. Twelve cases of Peru were withdrawn at 5s., and 12 cases *Tolu*, rather drossy retired at 3s. 3d. per lb.

BENZOIN.—Sumatra was in fair supply, but little sold. Superior seconds, £7 15s. to £8, middling seconds £7 5s. to £7 10s., and thirds, bold almondy £6 5s., common barks at 75s. to 85s., accordingly to quality. Siam, a good selection offered, fine bold loose almonds were limited at £34; medium, £31; small to medium, £27 10s.; pea-size, £24 10s.; grains, £21; siftings, part friable, £10 10s. per cwt. Palembang, none offered.

BUCHU created more attention on account of partial failure of crop, and in all 33 bales were catalogued. Fine bold green round was limited at 1s. 3d., a bid of 1s. 1d. having been refused. A parcel of three bales, slightly bronzy green, sold at 11d. Ovals, were held for 8d. to 9½d. per lb., according to colour.

CALUMBA.—A new arrival of 167 bags of middling natural sorts was held for 12s. 6d. per cwt., "in bond."

CAMPHOR OIL.—A lot of five drums brown was offered "without reserve," and retired without any response.

CARDAMOMS.—Four cases of medium bleached Ceylon, partly split, retired at 2s. 6d. Privately small sales are passing at previous rates.

CASCARILLA slightly easier, a parcel of five bales, fair quilly and stringy, being held for 3s. per lb.

CHAMOMILES.—A small lot, of fair colour Belgium flowers was withdrawn at 135s. per cwt. We understand that offers are now arriving for new crop flowers at slightly lower prices.

CHAULMOOGRA OIL.—Twenty cases *hydnocarpus* were on offer and retired without response at 1s. 6d.

CINCHONA.—A fresh arrival of 20 bales *succirubra* chip, testing 7.68 per cent. total alkaloids (2.56 per cent. s/q) was withdrawn at 5½d. per lb.

COLOCYNTH.—23 bales of good pale pulp, rather dusty, retired at 11d., and inferior pulp brown and mixed was withdrawn from 7d. to 10d. per lb.

DRAGON'S BLOOD.—In fair supply, fine reboiled Singapore lump held for £30 to £34; ordinary bright, part seedy,

£23, reboiled picking, £20 and £22. Slabs, very pale, £11 10s. and £12 10s., and reeds, dullish, at £15. Zanzibar drop was withdrawn at 65s. to 105s. per cwt.

EUCALYPTUS.—A lot of 72 per cent., in drums, was limited at 10d.; 74 per cent., in drums, retired at 11d.; 81-82 per cent., in cases, at 1s. per lb.

GAMBOGE was slightly easier, and two cases middling rather blocky, sold, subject to sellers' confirmation, at £13 10s. per cwt. For good free Siam pipe £17 was wanted.

GUAIACUM.—Fourteen packages offered, four sold; fair blocky, part dusty, at 1s. 7½d. per lb. Good glassy block retired at 2s. 3d. per cwt.

GUM ACACIA.—Eighteen bags of bleached Kordofan was withdrawn at 70s. to 72s. 6d. for second quality. The shipment market remains unchanged, with an absence of any important business.

HENNA.—Twenty-five packages Egyptian retired at 25s. per cwt. for good green leaf.

HONEY.—There was a fair offering with little response. Some twelve barrels of good liquid Jamaican sold at 41s. and 43s. per cwt.; some yellow rough texture Jamaican sold at 33s. per cwt. Apart from this there was no demand, with plenty of dark Jamaican as low as 25s. per cwt. With absence of demand all the San Domingo, Cuban, Chilian, etc., were taken out without a bid.

IPECACUANHA.—Market still remains neglected. Eighteen bales of Matto Grosso were offered and retired at 4s. 9d. to 5s. per lb., according to quality. Four bales Minas and 4 bales Cartagena retired at 4s. 3d. per lb.

MYRRH was unchanged, 39 packages being catalogued; fair Aden sorts retired at £7. Darkish and dusty rather mixed at 80s., and pickings at 70s. per cwt.

NUX VOMICA.—Twenty bags of fair bold Cochin were limited at 18s. per cwt.

OLIBANUM.—Fine drop is still scarce and wanted. Medium drop retired at 62s. 6d. to 65s., fair pea at 60s., siftings 40s. to 45s., and garblings at 37s. 6d. per cwt.

ORANGE PEEL.—A parcel of nineteen cases thin cut Tripoli retired at 8½d. for good bright, and another lot of very dark inferior strips was withdrawn at 6d. per lb.

RHUBARB.—Fair supplies were catalogued, Shensi of good quality was obtainable at 4s. 1½d. to 4s. 3d.; Canton, of poor quality, was retired at 2s. 7d., and pickings at 2s. High dried, flat, of indifferent quality, was limited at 2s. 2d., and for round horny 1s. 1d. to 1s. 6d. per lb. was asked. A small lot of very fair quality, sold subject to confirmation, at 1s. 3d. per lb.

SARSAPARILLA.—Jamaica, grey, was in limited supply and confined to one small parcel of six bales, 1s. 10d. per lb. being asked. Native, mixed colours, eighteen bales retired at 1s. 1d. to 1s. 3d., being about 2d. per lb. higher than at the previous auction. Honduras, eight serons were offered at 3s. 6d. "in bond." Three bales Mexican had been disposed of privately.

SENNA.—Tinnevely steady, with a quiet demand privately. Eighty-four bales offered and part sold: small, medium, rather dullish green realising 3½d.; small, 2½d. Pods, hand-picked, were limited at 6½d. to 7d., and f.a.q. at 5d. and 5½d. per lb., at which prices private sales are being made. Alexandrian failed to attract any interest, all offerings being withdrawn. Fair green broken leaf at 3½d., and siftings at 3d. Pods ranged from 4s. down to 1s. 3d., according to grade, and ordinary rejection from 2½d. to 4d. per lb.

STROPHANTHUS.—A parcel of sound Kombé, testing 100 per cent., was held for 5s. per lb., at which figure sales are reported privately. For a few bags of part weevily 4s. 9d. was asked.

TONKA BEANS.—Angostura was in limited supply and five casks of fair bold and frosted was withdrawn at 4s. 9d. per lb. Para was also offered sparingly, only eight casks of fair black, part frosted, being held for 11d. per lb. We understand that privately a fair business has recently been done both in Angostura and Para beans and stocks are considerably reduced.

TURMERIC.—A parcel of fair Madras finger was limited at 26s., and Cochin split bulbs was retired at 19s. per cwt.

WAX.—None sold. The offerings included five packages of Jamaica, which retired at £5 to £5 5s.; twenty packages Conakry at 90s. to 92s. 6d.; twenty packages Benguela at 92s. 6d.; and thirty-two packages Madagascar at 82s. 6d. per cwt.

The next drug auction will be held on Thursday, September 22.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

British Pharmacopœia, 1932

SIR,—With reference to the forthcoming issue of the British Pharmacopœia, 1932, which we understand is due for publication on September 30 next, so far as can be ascertained at present there does not appear to be any "period of grace" allowed for the disposal of stocks and the manufacture of new preparations. It seems to be highly desirable that a period of at least two months, say, until December 1, 1932, should be allowed for this purpose, and for the necessary tests to be carried out before preparations of the B.P. 1932 become available for sale. We feel sure that both retail pharmacists and the wholesale trade would welcome any representations you are able to make in securing this concession.—Yours faithfully,

J. C. ARNFIELD & SONS, LTD.,
H. ARNFIELD, Managing Director.

Stockport.

Prescriptions Without Directions

SIR,—There has been some discussion recently about the slackness of prescribers in omitting to write the directions to their prescriptions, to the subsequent embarrassment of the chemist, who is generally asked by his customer how the medicine should be taken or used, as the case may be. If the chemist gives instructions on the matter, it frequently happens that at the next visit to the doctor the patient is told those directions were quite wrong. The only alternative is to refer the customer back to the prescriber, with annoyance to all parties concerned. This trouble arises particularly with respect to insurance prescriptions, because in the National Insurance Formulary directions are given with the various formulas which the chemist is supposed to attach in the absence of any written directions. The cases which give rise to most difficulty are those of gargles and compound powders. For example, under "Pulv. Bismuth. Co." the Formulary gives "Sig. 3ss. in a little water, average dose," although it is quite common for doctors to tell their patients to take one or even two teaspoonfuls. It should be made obligatory on the prescriber to write adequate directions.—Faithfully yours,

SIGNETUR (18/7).

The Chemist's Shortcomings

SIR,—To read all that is being written about the failings and shortcomings of the retail chemist, one would gain the impression that he must be a very poor sort of fish. According to his critics he cannot do his own dispensing, but has to send his scripts to his drug house to get them dispensed; he cannot make any of his own galenicals, but has to purchase even the simplest of them from the same source; he cannot pack his own remedies, but has to order them from the wholesaler; and he cannot keep stock of proprietaries, but is content to sell one at a time and then to telephone the sundries house to send on another "twelfth." In addition to all this he cannot keep his books, nor does he know whether he is making money or losing it; and altogether it would seem that it is more by luck than judgment that he exists at all. After digesting all this information I look back on some twenty-five years' retail trading and am more than surprised to find that I still keep my head above water. I wonder how many of our critics would make even as good a job of it as we do; I should be very sorry to let one of them try his expert methods in my pharmacy. "Relasel" (C. & D., July 9, p. 31) says that we are more than spoon-fed, we are bottle-fed,

because we can get motor deliveries of any line from half a dozen firms in a few hours. Taking the first wholesale catalogue which comes to hand, I find that there are about 200 pages of proprietaries listed; the next customer who enters may ask me for any one of these, and probably I shall never have another inquiry for that particular line again. Out of all this multitude of patent medicines there are perhaps two or three dozen which have a sufficiently rapid sale to warrant ordering a direct parcel to get the best terms, and a similar number which are less in demand, but which may be stocked in quarter- or half-dozen, the sale of the rest being negligible. To attempt to keep stocks of all this plethora of proprietaries would require the fortune of a film star and the storage capacity of the London docks, and if I had either I should no longer be behind the counter. The root of the trouble is to be found not with the retailer, but with the manufacturers themselves.—Yours truly,

HOLABY (19/7).

Carelessness in Pricing

SIR,—My interest in the subject of underpriced prescriptions, recently ventilated in your columns, was accentuated by the fact that I received two grossly underpriced prescriptions for compounding during the period covered by this correspondence. As the first one contained, amongst other ingredients, a noticeably large quantity of tinct. aurantii, I priced this carefully by the C. & D. method, and found that it amounted to 3s. 8d. My customer almost collapsed with shock upon receiving this information, having had it dispensed by other chemists for 1s. 3d. or 1s. 6d. This reduced me almost to the same state of collapse as my customer. I communicated with one chemist whose dispensing stamp was on the prescription. He bore out the customer's statement, and was distressed to find he had underpriced, as he had followed the coded price of another chemist. The second instance was for a hair lotion, which had been previously dispensed for 9d.; the costing method provided 1s. 6d. As customers do not seem to be much impressed with our "oncost" defence, I find it is a good plan to present them with a choice of either the previous dispenser had made an error in price, or (less charitable) that the prescription was not dispensed as written. This last may not be ethical, but it provides a forcible reply to the situation created by carelessness in pricing.

Yours truly,

ARKAY (19/7).

The Bottle Question

SIR,—The bottle question is in the way of providing a mild sensation for the public Press. The comparisons made by Mr. Marshall at the meeting of the Congress of the Royal Sanitary Institute, held last week, were certain to attract the attention of those providers of news who like to tickle the palate of the readers of provincial newspapers. He said that the drugs supplied under the National Insurance scheme in Glasgow last year cost £40,714, and in Manchester, with a smaller population, £80,640. From the reports, he seems to have drawn the inference that twice as much physic was consumed in the latter city as in the former. Such does not follow from the data given. Of course, Mr. Marshall may have told the meeting what was the average cost of medicine supplied to every person who was a patient under the scheme in each city, and other matters needed to reach a true comparison; but if he did not, it is not safe to conclude that the Manchesterians really have a greater affection

for the medicine bottle than the Glaswegians. I have an idea that the inhabitants of both places are equally keen on using without stint the facilities for obtaining the best and most copious means of recovering their health if the said means cost them nothing. Without the missing details I have referred to I am venturing to suggest that it is not unlikely that it will be found that the doctors in Glasgow are much more inclined to have regard to the cost of the physic they prescribe, and probably a better knowledge of the true medicinal value of ordinary drugs to be met with in the pharmacy than their brethren in the South. From time to time come under my own observation insurance scripts which show what looks like a reckless disregard of the need of economy in prescribing of both medicines and dressings. A thorough scrutiny of the whole field by a small committee comprising representatives of medicine and pharmacy, with a statistician and a lawyer is urgently required in addition to the body which, it may be presumed, will shortly review the entire subject of the working of the National Health Insurance Acts.—Yours, etc.,

VIATOR (20/7).

In Spare Time

SIR,—As a young pharmacist, recently established in my own pharmacy, I should much appreciate the advice and experience of some of the elder members of my profession. I have a certain amount of time available to do some learning, but am unable to leave the premises in order to do practical work, etc. For this last reason I have rejected optics. I shall be much gratified to have the various opinions of those gentlemen who can look back and see what they have accomplished—or have failed to accomplish owing to lack of time.—I am, etc.,

GORFFENBRAE (20/7).

Assistance for Councillors

SIR,—I do not consider the suggestion of your contributor (*C. & D.* Annual Special Issue, p. 691) that candidates for pharmaceutical office should be backed by the group they represent to the extent of providing a competent locum for the days they are attending their official duties, a good one. We have quite enough "follow your leader" methods in pharmaceutical affairs without binding a man down to the ruling of the group which pays for his relief. It would put him in the position that if from his own convictions, or from some material fact learned in committee, or even, as another correspondent puts it (p. 753), he had to "toe the line" and agree with the policy already decided on, he took action contrary to the views of his constituents they would stop his "relief," and therefore put an end to his official activities. And yet on second thoughts perhaps it might be a good thing for chemists as a whole, if all councillors were elected on this basis, quite recently the power to apply effective pressure would have been of great benefit to the future of the craft.

Yours faithfully,

O. PRESSUM (29/6).

Patriotism in Business

SIR,—The mentality of some of our British manufacturers is difficult to understand. A local British chemist introduced a comparatively new tooth-paste and was doing well with it, both wholesale and retail. One of the directors of the manufacturing company visited these parts, and, without visiting the chemist, granted a sole agency for the tooth-paste to a Continental firm, who are now advertising the same and drawing special attention to its being a British product. The chemist, naturally, has brought out a competing line. The foregoing is only one of many similar happenings, and Malayan chemists are strongly against such practice.

Yours faithfully,

MALAYA (16/6).

Legal Queries

G. B. P. (18/6).—Any addition whatsoever to a drug or chemical compound takes it out of the exemption covering drugs vended entire. Thus, the addition of starch or of colouring matter to acetyl-salicylic acid renders the resulting compound liable to medicine-stamp duty if recommended for ailments.

E. J. B. (23/6) has been in the habit of cashing for a customer cheques that are given to the customer by a third party in payment for work done. The last cheque, for £2, has been returned by the bank on the ground that payment has been stopped by the drawer. What should "E. J. B." do in order to recover the money he has paid to his customer? [Assuming that the cheque is in the ordinary form and is made payable to and endorsed by the customer, "E. J. B." can sue his customer or the drawer of the cheque, or both, for the amount for which it is made payable.]

N. H. M. (11/7).—A chemist has returned to the manufacturers a quantity of goods of which the price has increased since the date of the purchase. A credit note at the original purchase price that has been passed to the chemist, but he insists that he is entitled to a credit at the higher current price. Is this contention justified? [Apart from any special agreement to do so, the manufacturers are not bound to accept the return of the goods at all; but, in any case, the chemist is not entitled to be credited with a larger amount than he paid for the goods.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. C. H. (2/58).—The sample of hair fixative appears to be a tinted surgical spirit containing boric acid and castor oil. It closely approximates the formula given for *Spiritus Boro-Ricinatus*, "Pharmaceutical Formulas" (10th edition), p. 532, but was found to contain 7½ per cent. of castor oil. The above formula could be used, adding a suitable perfume and tinting with eosin.

A. F. N. (30/1).—REMEDY FOR CANKER IN HORSE'S FOOT.—This is a dark-brown syrupy liquid, very strong in acetic acid containing iron and copper as its principal components; a little caramel appears also to be present.

J. N. (12/3).—TABLETS FOR MOTOR ENGINES.—These are simple naphthalene, 8 gr. each, coloured yellow.

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Reprinted from

"The Chemist and Druggist," July 15, 1882

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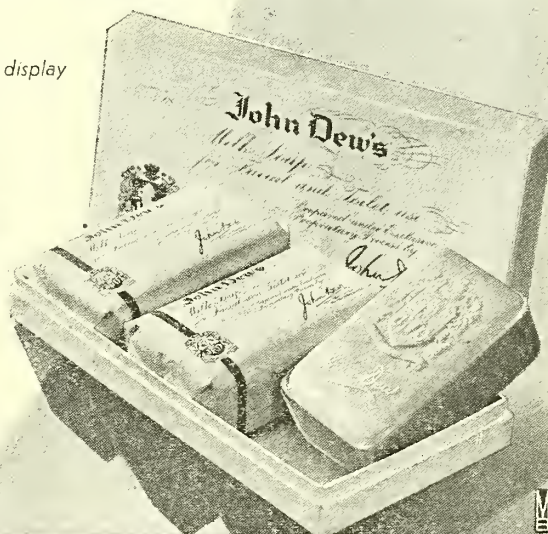
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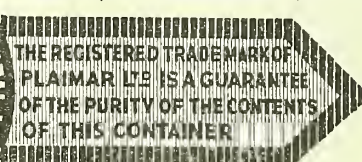
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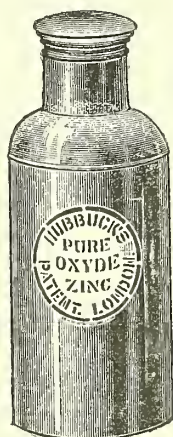
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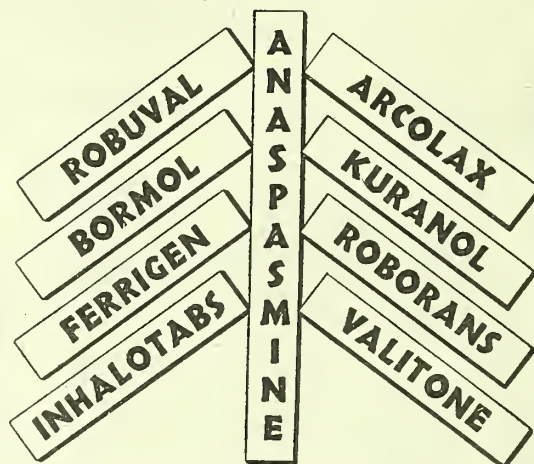
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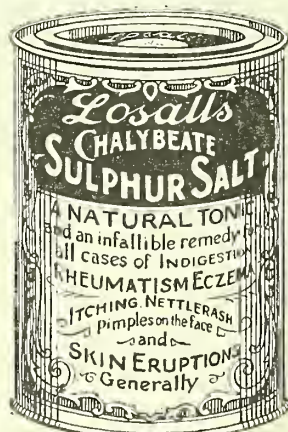
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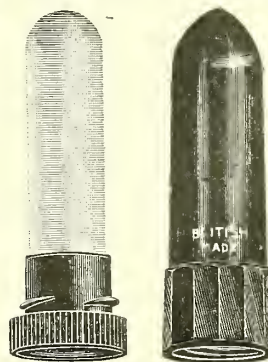
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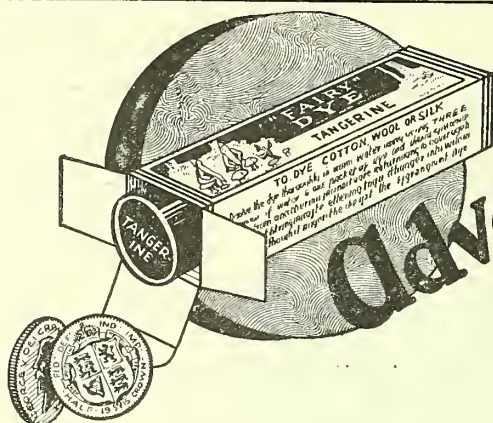
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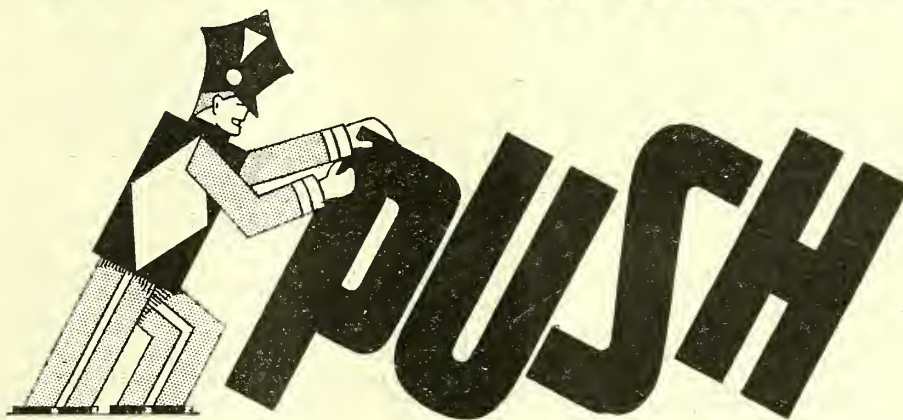
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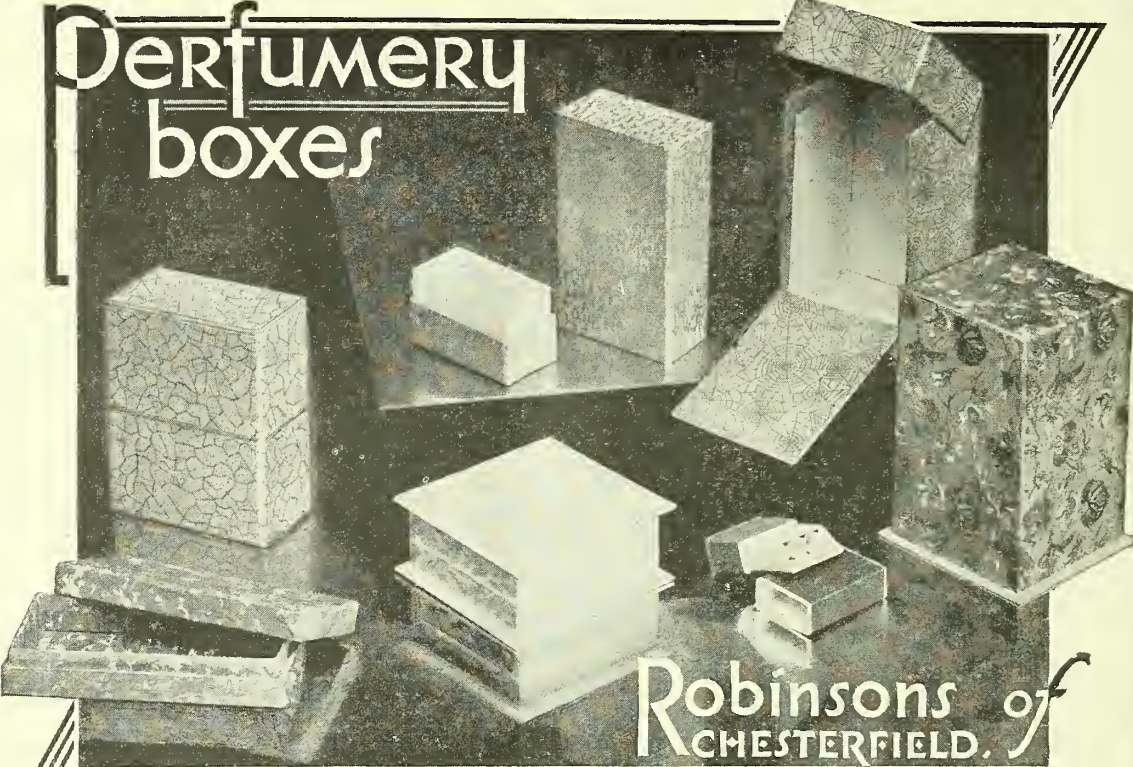
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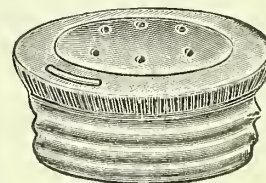
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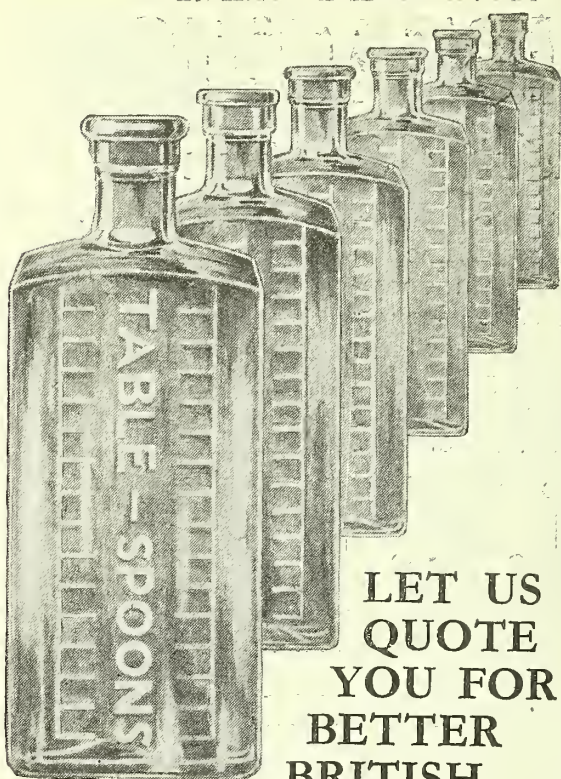
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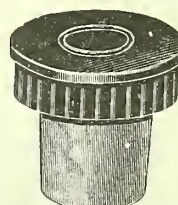
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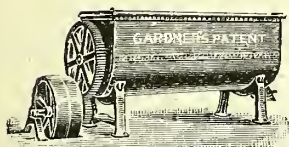
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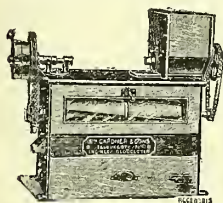
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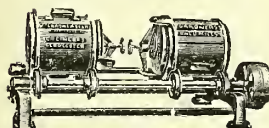
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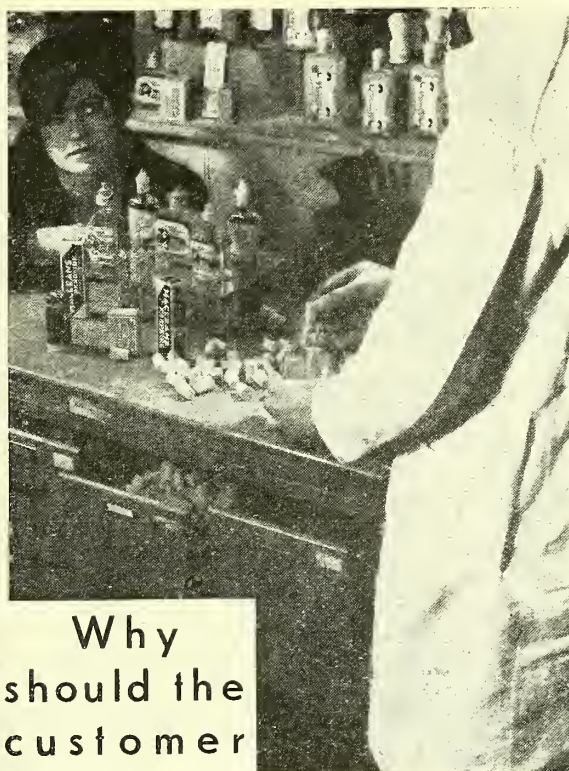
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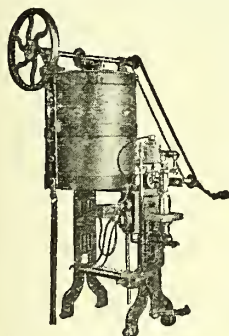
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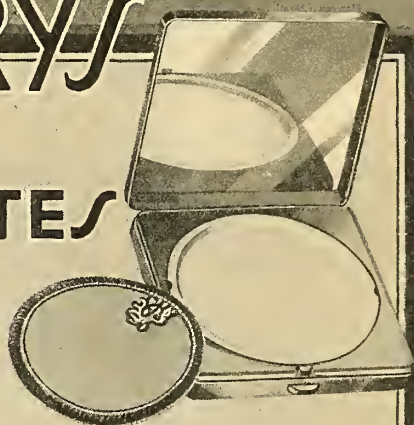
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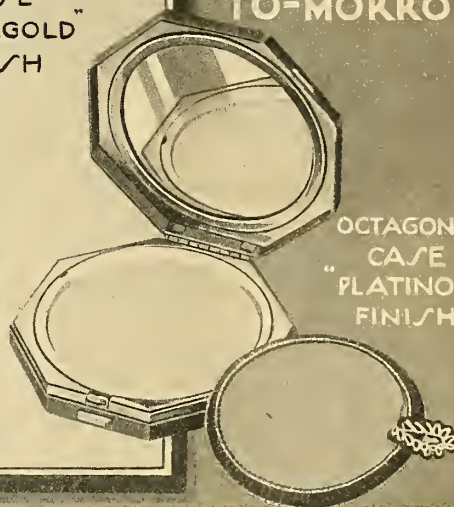
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14.—CLACTON-ON-SEA (Near).—Good medium-class Cash Retail Business, with N.H.I. (about £60 yearly); returns exceed £3,000 per annum; good profits; scope for increase; corner shop, well fitted and very well stocked; very nice living accommodation; rent £110; one room sub-let at £20 per annum; lease has about 38 years unexpired; price £2,250; or valuation terms entertained.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

SPECIAL TERMS FOR INCOME TAX VALUATIONS

ONE MINUTE FROM KING'S CROSS AND ST. PANGRAS STATIONS

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1870

- 7.—YORKS.—Old-established Retail with valuable Proprietary and Wine Licence; under management; plenty of scope; returns average about £5,000; prominent position; price £3,050.

- 13.—LONDON, E.9. (Death Vacancy).—Cash working-class Business; returns £1,300; net profit £320; good house; long lease; rent £75; price asked £760.

- 14.—WEST MIDDLESEX.—Sound Light Cash Retail; in same hands many years; retiring: returns £1,569 last year; gross profits £615; main road position; stock worth £500; price £800.

We have genuine cash buyers requiring businesses in all parts, and particularly for the following **Midlands and Northern Counties**, showing net profit £1,000 upwards, capital up to £4,000 waiting : **London, Southern or Home Counties**. Good class business, returns £4,000 upwards, must stand 2 assistants, ample capital for right business. **Devon, Cornwall or S. West Counties**. Coast or inland. Turnover about £3,000. House preferred, not essential, capital available up to £2,500. Correspondence cordially invited, which will be treated in the strictest confidence.

'Phone: Walsall 3774

London.

Westcent,

Correspondence, in strict confidence, is invited from genuine prospective purchasers of businesses to whom the following propositions are likely to be of interest.

- (C7) BLACKPOOL.—Established good class dispensing and retail pharmacy, extremely well situated; would be admirably suited to chemists with previous experience of high-class dispensing business;

- (C15) BRIDGEND (NEAR).—Established pharmacy with good optical connection; average turnover for last three years approximately £1,850 per annum; living accommodation; rent, £80; long lease; reasonable purchase price.

S. F. CLARK, F.N.A.A. ^{Phone:} Prospect 3366
CHEMISTS' VALUER & TRANSFER AGENT
 34 Marksbury Avenue, Richmond, Surrey
VALUATIONS for sale, purchase, probate, and Income Tax purposes, personally conducted in any part of the British Isles.
ACCOUNTS audited. **BALANCE SHEETS** certified.
BUSINESSES (all districts) available and required.
Enquiries solicited.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LYNDE DISTRICT.—Unique opportunity for chemist to secure Pharmacy, recently established, in growing district; Kodak; modern house (9 rooms); returns increasing; man with capital can soon double; price, all in, £675 (£650 quick transfer); low rates; secure now, season commencing; opening Optics, etc.; house suitable season letting; property rent or sell; sale preferred, on mortgage. No triflers, please. 236/22, Office of this Paper.

LIVERPOOL.—City Business (off Church Street); turnover £1,400 to £1,500; now under management; proprietor, pharmacist, would increase; good-class Retail; ornately fitted pharmacy; hours 9 to 7 p.m.; no Sunday duty; long lease still unexpired; rental £160; upper floors let off to the Bon Marche Ladies' Club at £80 yearly; net rental only £80; close investigation invited; audited balance sheet; price £775; net profit £300. 222/12, Office of this Paper.

LIVERPOOL.—Corner Lock-up Shop near centre of city offers splendid opportunity for young qualified man; scope for N.H.I. and Photography; price £350 or nearest offer. 238/21, Office of this Paper.

LIVERPOOL.—Cash Pharmacy, lock-up; no living accommodation; doing £40 per week; well fitted and stocked; moderate rent; good lease; would negotiate with genuine buyers on a reasonable basis. Only Pharmacists with about £1,000 at command need apply. 238/31, Office of this Paper.

LONDON, S.W.—Chemist and Druggist; main road; same hands 20 years; retiring through age; double-fronted shop, parlour, with four other rooms let off, which pays all outgoings; price £850; stock at valuation includes property with 29 years' lease; ground rent £9. Whiting, Accountant, 38 Guernsey Grove, S.E.24.

LONDON (West).—Old-established Business, in thickly populated working-class neighbourhood; turnover £1,000 per annum, increasing; large growing Panel; Kodak and Ucal Agencies; well fitted and stocked; rent £40; rates £16 per annum; sublet £52; lease 12 years; genuine reasons for disposal; price £550; all particulars to genuine buyers. 238/11, Office of this Paper.

LONDON, S.W.—Lock-up Pharmacy; main road; rent £1 week (inclusive); returns for financial year 1931-2 £700, plus N.H.I. £120; Kodak; densely populated district; well placed for Surgeries; scope; price about £200. 238/30, Office of this Paper.

LONDON, S.W.—Select little Family; good prospects; old-established; 21 years' lease; rent covered by letting; stock fittings and lease £420 all at quick sale. Also New Shop in busy thoroughfare, S.E.; good opportunity for live man; £120 stock, fixtures; health reason for selling; genuine buyers only. 237/40, Office of this Paper.

LONDON, S.E.—Retail and Dispensing Business; Kodak and N.H.I.; returns over £1,000; accountant's figures; corner shop, double-fronted; splendid living accommodation; side entrance for garage; good stock; price £500; rent £104 per annum exclusive of rates; long lease. 238/12, Office of this Paper.

MANCHESTER.—Pharmacist, having just completed the purchase of country business (semi-retirement), is desirous of disposing of his present business, which offers scope for younger man; very old-established and in present hands over 30 years; well fitted and stocked, with usual agencies, etc.; present returns are rather low, but no criterion of what can be done here, consequently the business is offered for quick sale at valuation stock and fixtures (no goodwill asked); approx. £500/£550 required everything; vendor's own property; will sell or lease at very low rental, with or without commodious house, having private entrance. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 1913.)

The ASSOCIATION of MANUFACTURING CHEMISTS,
 LIMITED
 (Business Agency, Transfer & Valuation Department)
 KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS,
 Holborn Viaduct, LONDON, E.C.1 2 Bixteth St., LIVERPOOL
PARKIN S. BOOTH, Valuer. Tele.: CITY 1261-2-3-4.
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.
Enquiries Invited.

NORTH-EASTERN INDUSTRIAL TOWN.—Chemist's Business for sale as a going concern; average turnover for the past five years cash £1,235, N.H.I. £193, in spite of unprecedented trade depression; price reasonable. 235/35, Office of this Paper.

SOUTHPORT.—Old-established double-fronted shop in busy thoroughfare; lock-up, but good living accommodation to be had later; Kodak Agency; stock and fittings in excellent condition; average takings £20 weekly, but considerable scope for increase; Optics could profitably be introduced; rent and rates moderate. Apply 237/25, Office of this Paper.

S.W.15.—Old-established lock-up Pharmacy; unopposed; in main road; working-class district; good Panel; Kodak Agency; turnover £1,250; net profit £330; audited figures; easily managed; very low inclusive rent; open to full investigation; price £700 all in. Particulars from Wiagg, 121 Church Road, Barnes.

CHEMIST'S Shop for Sale, fitted and well stocked; returns low under management, but can be much increased by competent person accustomed to modern Retail; lock-up only; South London suburb; price £200, but any reasonable offer considered. "Senex," 237/16, Office of this Paper.

DRUG Store, in busy industrial district, doing £12 per week; can be trebled in a short time by qualified man; unlimited scope; vendor must sell as he has other work waiting; only wants seeing; good house; any lease; everything £240; a bargain. Duncan, 568 Huddersfield Road, Ravensthorpe, Dewsbury.

FOR Sale, medium-class Retail Dispensing and Prescribing Business; good Counter trade, with small N.H.I.; established 130 years; good profits; Ucal Agency; not dependent on season trade; good living accommodation; sale reason selling, age and ill-health; good scope for energetic man; vendor's own property; sell outright or lease; no "duds"; bank references required. Apply 20 Market Place, Margate.

OLD-ESTABLISHED Pharmacy; busy main market road, East London; well fitted; very heavily stocked; turnover at the moment exceeds £30 per week; lease 13 years to run at ridiculously low rental. Also Branch Drug Store in East London, taking £10 per week; well fitted and stocked; seven years' lease; ill-health necessitates owner getting into country at once; rare opportunity; £950 the two; no triflers. P.C.B. 43/2, Office of this Paper.

SOUND established Business, Family, Agricultural and Photographic; large turnover at good profits; best position in North-East market town; ample scope for increase; particulars to buyers only. 238/37, Office of this Paper.

WITHIN 10 miles' radius of Preston, Lancs. a very nice suburban Business for sale; only genuine inquiries answered; a complete Chemist's shop; price £950 approximately; a going concern; proprietor going abroad. 237/27, Office of this Paper.

£150. Stock and Fixtures at valuation; well stocked; modern fittings; good house; splendid chance for energetic man; rising district; only wants seeing; no opposition near. "Rhei," 239/11, Office of this Paper.

£160 ALL AT.—Drug and Photographic Stores; London suburb; 20 years' lease; rent and rates 30s. weekly; compact house; good working-class district; wants qualified for N.H.I.; no near opposition; position worth the money. 237/20, Office of this Paper.

PARTNERSHIP.

PARTNER (qualified), with a view to succession, required for a good and old-established business in Lancashire industrial town near Manchester; Family and N.H.I.; full Wine and Spirit Licence, also a "heavy" trade with local industrial concerns; security of tenure, but no living accommodation; stock and fixtures recently valued for probate; full investigation accorded to bona-fide inquirers; £500, at least, required to obtain a partnership, balance as arranged; every possible help will be given by present owners to their successors. 236/36, Office of this Paper.

ERNEST J. GEORGE

Requests for special client Business (high class preferred) in any part of England.

Turnover £4,000-£10,000. Cash immediately available. Particulars need not be sent in first instance, but intimation only, and if desired Mr. George would, without obligation, visit and discuss the matter generally.

Letters should be marked "Private," and addressed to Sentinel House, Southampton Row, London, W.C.1.

Telephone: Museum 8340.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CHEMIST, M.P.S. (lady), wishes to negotiate for small but good business, which must bear strict investigation, or Partnership, with view to purchase; Drug Stores suitable for conversion into a pharmacy would be considered. 237/34, Office of this Paper.

N.W. ENGLAND.—Seaside preferred, but not essential; turnover £25-£45 weekly; or would consider partnership with view to succession; please state if house available; all correspondence treated in strict confidence. 236/4, Office of this Paper.

PHARMACIST would like to treat privately for the purchase of a good-class Pharmacy, one carrying assistance preferred; considerable capital available; all information will be treated as confidential; references exchanged in first instance. Apply 238/18, Office of this Paper.

PHARMACIST desires small, good-class Business at seaside, or would consider premises suitable for opening as pharmacy. 239/8, Office of this Paper.

PRIVATE Chemist wishes to purchase for cash (low price) small or neglected Retail Business, with Photography, N.H.I. and scope for Optics, in West Riding (Yorks), Lancashire or adjoining districts; no agents; please send fullest particulars, which will be regarded as confidential. "S." 237/38, Office of this Paper.

PREMISES TO LET.

BLACKPOOL.—Double-fronted empty Shop with good living accommodation; 8 years Chemist; no ingoing; extensive residential area and visitors district; main street. Bonny, 189 Church Street, Blackpool.

AGENCIES.

"AN OFFICE IN NEW YORK."—If you make Fine Toiletries we can offer you the entrée into the better class of Drug and Department Stores throughout the U.S. with complete stock and shipping facilities. We now represent two well-known British houses, and are interested in adding other non-competing lines catering to the same clientele. For further information address 206/380, Office of this Paper.

APARTMENTS.**RESIDENTIAL CLUB FOR GENTLEMEN.**

HAMPDEN CLUB, Hampden Street, N.W.1, close to King's Cross Station. Large club rooms. 300 bedrooms and bed-sitting rooms, 15s. to 25s. per week. Illustrated Prospectus, Secretary. Museum 3424.

APPRENTICES.

ASSISTANT (19) desires Apprenticeship; studying for Part I; York, Leeds or district preferred; two years' experience in busy Liverpool pharmacy; Counter and Dispensing; no premium. Mitte, 12 Fife Terrace, York.

SITUATIONS OPEN.**RETAIL (HOME).**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Qualified Manager (married), used to N.H.I., good Counterman and Window-dresser essential; modern house attached; salary and commission. State age, experience, when free, and salary required, to 206/401, Office of this Paper.

LONDON, S.E.—Lady, qualified, wanted immediately; permanency; Woolwich district. State terms and references. 206/404, Office of this Paper.

MANCHESTER.—Qualified Manager for busy suburban branch; must be accustomed to heavy N.H.I. and able to make good displays; splendid opportunity for real progress; good salary and commission. 206/402, Office of this Paper.

WALLINGTON, SURREY.—Qualified Junior required; gentleman; good at Counter. State age, height, salary and particulars of previous experience, also a recent photograph, and state when disengaged. J. Noble, 20 Woodcote Road.

A VACANCY for the right Qualified Man, from August 8 to September 5 inclusive. Apply, with full particulars and salary required, to the Manager, Durbins, Chemists, 66 The Broadway, Ealing.

ASSISTANT required from August 29 till September 17 inclusive; about 24 years; qualified or unqualified; state wages. Apply W. Coutts-Evans, 95 Broadway, West Ealing, W.13.

ASSISTANT wanted at once for good-class Dispensing business; must be quick and willing. State age, height, experience and salary required. 237/6, Office of this Paper.

ASSISTANT (unqualified), about 25; must be obliging Counterman, good Dispenser and Window-dresser. Please send all particulars, references and photo (which will be returned), stating salary, required, to G. V. Toomey, 35 Catherine Street, Salisbury.

BEFORE September 1, Lady Assistant, of smart appearance and pleasant manner qualified, acceptable if salary is moderate, a willing worker, experienced Dispensing and Counter, for S.W. suburban business; no N.H.I.. Full particulars and photo (returned) to 237/31, Office of this Paper.

CORNWELL'S, of Hanley, have vacancy for smart Unqualified Assistant, male, about 30 years of age; permanency for real live man. State fullest particulars first letter. Applications not answered in 14 days respectfully declined. T. C. Cornwell, Piccadilly, Hanley.

JUNIOR unqualified Assistant wanted for the middle of September; must be used to high-class business; knowledge of Optics an advantage; permanency. Photograph and full particulars of experience, salary, age, height, etc., to Roberts, Chemist, Jersey, C.I.

JUNIOR Assistant, with practical experience of D. & P., wanted at once for East Coast. Apply, with full particulars of experience and salary required, to 237/29, Office of this Paper.

LADY Assistant (outdoors) required at early date; must be good Dispenser and used to good-class Counter trade. Send full particulars, photo and salary required, to Kirkman, Chemist, Milford-on-Sea, Hants.

LADY, unqualified, as general Assistant. Write, stating experience, when disengaged, salary required, if any knowledge of D. and P. work. "Chemist," 340 Harrow Road, London, W.9.

LOCUM, qualified (male), age 25-30; must be good worker, capable and obliging, with good general knowledge of Retail business; dates from August 29 to September 11. Full particulars in first letter, stating salary required. John, 118 Cowley Road, Uxbridge, Middlesex.

MANAGER wanted shortly in good-class Branch Business; good appearance and address essential; married and age over 30 years; highest references necessary; preference given to applicant prepared to invest in concern. Send full particulars to 239/7, Office of this Paper.

PERMANENCY.—Qualified Assistant, about 30, with sound all-round experience, including some knowledge of Optics, wanted for good-class business; good prospects for suitable man. State salary expected and send photograph and usual particulars to 206/406, Office of this Paper.

PHARMACY.—Required, qualified Locum to act as Manager's relief from September 5 to October 15. Apply in writing, stating age, experience and salary required, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or officials will disqualify.

PHARMACY.—Required, experienced unqualified female Assistant. Apply in writing, stating age and experience, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED Manager required immediately for modern Family business in residential suburb of large Midland town; must be keen and tactful Salesman, also smart Window-dresser; good house attached; salary and commission. Details of previous experience, age, salary required, and when free, to 206/400, Office of this Paper.

QUALIFIED Manager, preferably with Optical degree, for old-established high-class business near the Sussex coast; salary and share of profits; introduction of capital (returnable) a consideration, but not essential. 236/16, Office of this Paper.

QUALIFIED Assistant; good Prescriber, Window-dressing and smart Salesman; state age, height and salary required, with photo; to commence August 15. 237/18, Office of this Paper.

QUALIFIED wanted; working-class district; lady or gent.; please give full particulars with salary required. "Chemist," 124 College Street, St. Helens.

REQUIRED for Departmental Stores, qualified lady, capable of taking charge of Drug Counter; good Saleswoman essential. Apply with full particulars of experience, etc., to 236/29, Office of this Paper.

REQUIRED, a Qualified English or Scotch Man, under 30, to manage a Branch Business in North London; preference given to one used to a good-class suburban business. State salary required and usual particulars briefly; no company men; no stamped envelopes. 239/9, Office of this Paper.

SAVORY & MOORE require Junior Assistant, with Optical qualifications and experience; Pharmaceutical qualification an advantage, but not essential, providing applicant has had good-class Dispensing and Counter experience. Write, giving full particulars of age, height, salary expected, and when free, to "H. F. S.," 61 Welbeck Street, London, W.1.

SURGICAL Fitter required (male); must be thoroughly experienced in the fitting of all types of Trusses, Suspensories, Elastic Hosiery, Abdominal Belts and Supports; only experienced men who can start immediately need apply. Address in own handwriting, giving full particulars of experience, age and salary required, to 237/14, Office of this Paper.

UNQUALIFIED Assistant (outdoor), age 25-35, required end of August; high-class London business, S.W. district; must be good Dispenser, competent, trustworthy; permanency right man; reply stating age, experience, salary required; applications not answered seven days respectfully declined. 235/37, Office of this Paper.

UNQUALIFIED lady Assistant; pleasant and cheerful; accustomed Counter and N.H.I. State age, height, experience, salary required, references. Cox, Chemist, Wealdstone, Harrow.

WANTED, young lady Assistant, or Improver just out of apprenticeship. Apply giving age, height and salary required, with photo, references and salary required, to Ward, Chemist, Chester.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A FEW areas still vacant for Representatives calling on Chemists, Photographers and large Stores in important districts; particular scope seaside towns. Apply immediately, Kazbec, 143 Marylebone Road, London, N.W.1.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

REPRESENTATIVE required in the London area for a firm manufacturing Pharmaceutical and Organotherapeutical Products; must have first-class connections and experience with the Medical Profession; salary and commission. Reply, giving full particulars, to The Chemical Trust of Great Britain, Ltd., Victoria House, Southampton Row, London, W.C.1.

REPRESENTATIVE, keen Salesman, with established connection amongst good-class Chemists, wanted by rapidly developing Beauty Preparation House; remuneration by high rate of commission; existing connection handed over; one non-clashing line not objected to. State full details, 206/403, Office of this Paper.

WANTED immediately, Representatives calling on Chemists covering Great Britain, to carry, on liberal commission basis, side-line in everyday demand. State ground covered in first letter. 238/5, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

EAST AFRICA.—Wanted, Qualified Male Assistant; single, under 30, good experience and address; salary £300 per annum; second-class passage paid out and home. Applications, with full particulars and photo, to P.C.B. 42/36, Office of this Paper.

RHODESIA.—Young qualified Assistant wanted; passage paid out; three years' agreement; salary (outdoors) first year £26 per month, second £28 10s., third £31. Apply by letter only. "N.," 23 Arrol Road, Beckenham, Kent.

SITUATIONS WANTED.

RETAIL (HOME.)

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.A.—**QUALIFIED** Chemist, 30, requires Management, giving full scope for initiative, enthusiasm and energy; comprehensive experience in all departments, and used to complete charge; capable of conducting any class of business and welcomes responsibility and hard work; a proven business builder and bolder; keen Buyer, with up-to-date knowledge of stock control; tactful Salesman with natural aptitude for Display. For full particulars write BM/NNFT, London, W.C.1.

A.A.A.A.A.—**PERMANENCY** required by Chemist-Optician (M.P.S., F.B.O.A., J.C.Q.O. register); age 23; terms moderate if suitable scope in Optics to widen experience. 237/39, Office of this Paper.

A.A.A.A.—**EXPERIENCED**, capable Young Man, qualified, desires change; keen and energetic; available August 8. Apply 238/9, Office of this Paper.

A.A.A.A.—**BRANCH** Manager, 28, qualified, possessing initiative, desires change (can be free one week); comprehensive experience; excellent Salesman and Counter-hand; enthusiastic, energetic worker; confidence in ability to increase takings; excellent references; would take financial interest if required. "Chemist," 26 Camp Road, Leeds.

A.A.—**LOCUM**; permanency or part time; experienced; Dispensing, Counter, Windows, Prescribing, Photography. Harries, 3 Cancell Road, S.W.9.

A.A.—**QUALIFIED**, keen, Dispensing, Counter, Window-dressing, tall, 20 years' experience, London and provincial, requires position; permanency. 237/4, Office of this Paper.

A **BACCHUS** Worshipper, qualified, but inexperienced, and every way slovenly, can obtain a post at any time at next to nothing salary, but a qualified man with the necessary virtues requires a post in six weeks' time; tall, married, age 36, good appearance and sober, keen Buyer and a thorough knowledge and experience of various types of businesses; scope for ability; good salary and commission required. 206/405, Office of this Paper.

A **QUALIFIED** Chemist; married; will accept Locum work or permanency; small salary; disengaged. 71 Wilford Road, Ruddington, Notts.

A **YOUNG** lady Dispenser, qualified, desires post; Brighton or district preferred. "B.," 42 Carlisle Road, Hove, Sussex.

A **YOUNG** successful Manager desires change (September); good all round experience; excellent references; Norfolk or Suffolk and "house attached" preferred; good salary and permanency essential; fair exchange, good work offered. Details and offers to 235/58, Office of this Paper.

ACTIVE; unqualified; middle-aged; disengaged 25th; accurate Dispenser, Stock, Locum or permanent. Fletcher, 91 Duncombe Road, Holloway, N.19.

AN Unqualified Chemist, 24, well educated, with seven years' experience with several Wholesale Manufacturing Chemists, requires position with Retail Chemist's; can deposit £25. Write 237/3, Office of this Paper.

AS Senior Assistant; unqualified; long experience in W. and S.W. London Dispensing businesses; disengaged; competent and reliable; excellent references. "E. C. P.," 61 Broxash Road, S.W.11.

ASSISTANT, 20, unqualified, desires situation; neat, accurate and quick Dispenser, good Stock-keeper, efficient and liked Counterman, experienced Photography, including D. and P.; reference. Please write J. Hickman, 16 Paradise Street, Tunstall, Stoke-on-Trent.

ASSISTANT or Locum; temporary or permanent; moderate salary; disengaged August 1; varied experience; excellent references. "H. G.," The Provident Dispensary, 1 New Road, Southampton.

ASSISTANT, young, unqualified, now in London, desires change urgently; Birmingham or Wolverhampton districts preferred; part or whole time. 236/33, Office of this Paper.

ASSISTANT; unqualified; age 22; first-class Counter, Window, Dispensing; excellent references; disengaged. J. Landsman, 3 Alderney Road, Mile End, E.

ASSISTANT, elderly, seeks employment; board or lodging only. P.C.B. 42/35, Office of this Paper.

ASSISTANT, unqualified, 20, seeks situation; Counter, Dispensing, Window-dressing, D. and P.; disengaged. Preston, 40 Armingier Road, W.12.

ASSISTANT; unqualified; 23; recent three years' experience in high-class establishment; full Optics qualifications (F.S.M.C. and Supplemental); reliable Dispenser; Public School education; moderate salary required; would start immediately; any district. A. D. Thornton-Jones, 56 Penylan Road, Cardiff.

ASSISTANT; unqualified; tall; single; 30 years' experience; Dispensing, Counter, Photography; disengaged. Harris, 24 Link Road, Edgbaston, Birmingham.

ASSISTANT; capable of taking charge; age 23; energetic; all-round experience Counter, Dispensing, Window-dressing, Photographic; unqualified; Midlands or West preferred, not essential. 237/23, Office of this Paper.

AUGUST 14; disengaged; qualified Locum; abstainer; London only. "Chemist," 17 Albion Road, Tottenham, N.17.

CAPABLE, unqualified, 25, 10 years' experience, Counter, Dispensing, Windows, Photo, desires change; Brighton, Worthing district; good references. 237/8, Office of this Paper.

CHEMIST'S son, 23, Part I, Inter B.Sc., desires Locum; seasonal, or otherwise post; in or outdoors. Dyson, Chemist, Horwich, Lancs.

LADY (Hall), thoroughly experienced, Dispensing, Counter, Book-keeping, Photography, approved Window-dressing, requires post with Chemist. 237/28, Office of this Paper.

LOCUM, part time or permanent; unqualified; thoroughly experienced; Dispensing, Prescribing, Counter; all-round handy man; single; tall; energetic; abstainer; good references; Notts or Derbys districts. Howard, 30 Pimlico, Ilkeston.

LOCUM; qualified; reliable; registered R.P.U.; disengaged July 25 to August 27 inclusive. Hoskins, c/o Haywards', Chemists, Redfield, Bristol.

LOCUM; qualified; 25; seven years' all-round experience; good Dispenser; seaside or country; business preferred; excellent references; available August 1; any distance. "Locum," 26 Market Street, Kidsgrove, Staffordshire.

LOCUM; qualified; experienced; 36; free July 31. Write for terms, Ridsdale, c/o Home Leigh, Hornchurch Road, Romford, Essex.

LOCUM, M.P.S., F.S.M.C.; free any two weeks September. P.C.B. 42/33, Office of this Paper.

LOCUM; qualified; abstainer; best experience; now at liberty; booking up for season; moderate terms. 237/7, Office of this Paper.

LOCUM; 40; unqualified; tall; well recommended; Counter, Dispensing, Photography; abstainer; free after 25th for two weeks. Alexander, 189 Southampton Street, S.E.5.

LOCUM; first-class all-round experience; repeated up-to-date references; disengaged August 1 to 22 and after September 10. Fitt, c/o Spongs, Chemists, Biggleswade.

LOCUM; qualified; 23; 7 years' good Counter and Dispensing experience; Seaside, Inland, Agricultural; excellent references; moderate wage; anywhere; any date. Dutton, 255 Nantwich Road, Crewe.

LOCUM; unqualified; 30 years' West-End experience; references; free August 8 to 20. 22 Gramscsdye Avenue, S.W.14.

LOCUM; seaside or country; fully experienced Dispenser; all-round man; disengaged immediately. Benson, 43 Burwell Road, Leyton, E.10.

LOCUM; experienced, competent, reliable; free July 24 to August 20; town or country. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

LOCUM; qualified; highest references; vacant until August 12 and after August 27. "Chemist," 8 Queen's Road, Hoylake, Cheshire.

LOCUM or Management; qualified; middle-aged; all-round, first-class experience; West-End and provincial; exceptional references; disengaged. 238/25, Office of this Paper.

LOCUM wide experience, 29, awaiting result of Qualifying examination; anywhere; any date except August 8-20; four guineas weekly. Frank, 6 Stanford Road, London, S.W.15.

LOCUM; qualified; vacant date left, August 8-August 21 inclusive. Holmes, 109 Penwortham Road, Streatham, or phone Wallington 2996.

PART-TIME; over 12 years Dispensing in City and West-End; capable references. Crowther, 144 Algernon Road, S.E.13.

PHARMACEUTICAL Chemist, wide experience, keen Buyer, good Organiser, expert Salesman, desires engagement where prospect of permanency (succession entertained but not essential) and reasonable remuneration offered for whole-hearted service; accustomed control and management of men; town or country; correspondence welcomed; absolute confidence. 236/8, Office of this Paper.

PHARMACIST, 23, 7 years' experience, including West-End; disengaged August 15; excellent references; salary £3 15s.; London or near. 28 Flask Walk, N.W.3.

QUALIFIED; 37; experienced Manager; Locum or permanency; Provincial and London West-End experience; Dispensing, Photography, good Salesman and Counterhand; references O.K.; now free. "Chemist," 59 Penn Road, Holloway, London, N.7.

QUALIFIED Lady Dispenser; 13 years' experience, Retail, Hospital, Institutions, private and Panel practices; first-class testimonials. "Phone "Dispenser," Lee Green, 1675.

QUALIFIED Manageress; 25; 5ft. 8in.; good experience in all branches of the business; tactful Saleswoman; energetic; London or near; interview appreciated; salary and commission. 237/15, Office of this Paper.

QUALIFIED (25), 8 years' London and Provincial experience. seeks progressive or managing position; well educated; free one month. 238/15, Office of this Paper.

QUALIFIED Lady (Hall), 21, desires post with Doctor as Dispenser and Book-keeper; two years' experience; excellent references. 283/8, Office of this Paper.

QUALIFIED (Swiss) seeks permanency; London preferably; highest references; speaks English, French and German fluently. Hans Muhlemann, 24 Hawarden Grove, S.E.24.

STUDENT (20), reading for B.Pharm. and Ph.C., having finished apprenticeship, desires post as Assistant in good-class pharmacy; time for study; moderate salary. Charles, 308 Oxford Street, Stepney, E.1.

YOUNG lady Assistant; good experience Drug, Toilet, Photographic, Surgical; Brighton or near district; free September 19. 237/32, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

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Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool.

WHOLESALE.

A CAPABLE Representative, having extensive connection, including Chemists, Doctors, Hairdressers, etc., offers services at moderate remuneration to good house; keen, reliable, successful worker; varied experience Drugs, Toilet, Sundries. 238/14, Office of this Paper.

A DVERTISING Expert, Medical, Dietetic and Pharmaceutical Proprietaries, public, professional and trade, formerly with leading House, executive ability and experience, highest references, undeniable record, at liberty. 237/22, Office of this Paper.

A DVERTISER, qualified Chemist, with connection amongst Medical and Dental professions in London and Home Counties, would consider additional Agencies; commission and expenses. 238/6, Office of this Paper.

E XPERIENCED Representative desires post London; 23; good education and appearance; energetic, keen, ambitious. 238/23, Office of this Paper.

F I RST-CLASS Representative, with sound connection North-West territory, open for engagement; age 33; own car; keen, energetic Salesman. 236/34, Office of this Paper.

R EPRESENTATIVE, with first-class connection Chemists, Glasgow, Edinburgh and South-West Scotland, desires represent good firm, or would consider Agencies for Packed Goods, Proprietaries, Toilets or Perfumery. 238/36, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

C HEMIST (M.P.S.), recently returned from Ceylon after completion of four years' agreement, seeks post abroad; excellent references; age 26; tall; good appearance; physically fit; willing to go anywhere. Apply J. D. Blakley, 62 Somerset Road, Bolton, Lancashire.

FOR SALE.

(Articles to the value of £5-£50.)

C A S H Registers (two), both Nationals; very carefully handled; will sell separately; good bargains. Write for full particulars to A. Foster, 10 Loxford Lane, Ilford, Essex.

O P T I C A L Test Case, in oak cabinet, by Fleming, with plate-glass top; new and in perfect condition; cost £25 10s.; will accept bargain price for quick sale. "Chemist," 201 High Street, Pendleton, Manchester.

R O N F O T Y P E No. 1; new; Focal-plane Camera; Goerz Manufac Camera; Addressograph. 235/34, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A F I R S T - C L A S S PHARMACY, £69 10s., IN OAK.—10 ft. Drug Fixture, 30 drawers, solid oak fronts, two cupboards with solid oak panelled doors, oak-faced shelves, poison cupboard with plate-glass mirrored door; 8 ft. Counter, solid oak top show case front; 9 ft. Wall Case, solid oak, show cases to top and lower sections; 6 ft. 6 in. Dispensing Screen and Counter, bevelled mirror centre; Show Case with plate-glass shelves. Call or post your requirements to RUDDUCK & CO., 219/227 Old Street, London, E.C.1.

A L A R G E Q U A N T I T Y of Second-hand Showcases from £2 upwards (removed from various jobs); Shop Fittings, Counters, etc., at real reductions. Write requirements or call PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1.

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THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS

(Incorporating the National Association of Chemists' Assistants)

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Write for particulars—ARTHUR J. GILLIAN, Gen. Sec.

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C H E M I S T S ' F i t t i n g s , direct from manufacturer; soundly constructed in oak and mahogany; 8 ft. Drug Run, £18; 6 ft. Dispensing Screen, £14; 6 ft. Showcase Fronted Counter, £8 5s.; 6 ft. Wall Case, £11; 6 ft. Glass Counter, £8 15s.; Counter Case, 30 x 24 x 18, £2 5s., etc. Send now for photographs, or call and inspect. MYERS, Complete Chemist Fitters, 134a Kingsland Road, E.2, near Shoreditch Church. Bishopsgate 2524.

C H E M I S T S ' F I T T I N G S . — Oak or mahogany, suit any Pharmacy, must be sold: 10 ft. complete Drug Fitting, 8 ft. Wallcase, 8 ft. glass Front Counter, 6 ft. Dispensing Screen, nest Counter Drawers, three Mahogany Wallcases, 10 ft. long, Dispensing Screen 8 ft. long, 6 ft. Glass Counter, Silent Salesman; sketches by return. GEORGE COOK, The Working Shop-fitter, 27 Macclesfield Street, City Road, E.C.1. Phone: Clerk 5371.

T R E B L E S ' for Chemists' Fittings, Shop Fronts, Alterations; new or second-hand. Let us quote for your requirements. Pharmacy Fitters for over a century. 549 Lea Bridge Road, Leyton, London, E.10. Leytonstone 2475.

W A N T E D , for laboratory equipment of small chemical-pharmaceutical factory, Centrifuges, Tablet Machines, Coating Kettles, Vacuum Pumps, etc. Reply, with quotations, to 237/35, Office of this Paper.

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2d. per word: Minimum 2s. (Box No., 1s. extra.)

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(Articles up to the value of £5.)

1 OZ. Santonin, 20s.; Pathoscope Motor Camera, as new, £4. 238/10, Office of this Paper.
 PRACTICALLY new Avery Dispensing Balance, complete, 1½ guineas. Field, 30a Putney Hill.

WANTED.

CODEx, latest edition. Lowest price to Flood, Chemist, High Street, Stockbridge, Hants.
 5GR. PILL MACHINE, Personal Weigher, Codex 1923, Shop Rounds and Jars. 238/3, Office of this Paper.
 MICROSCOPE (Bacteria), second-hand, good condition. Stato price to 40 Blenheim Road, Upper Holloway, N.19.
 TABLET MACHINES, single punch or rotary, large Coating Pans, Wilkinson's speedy Ointment Mill, Powder Mixing Machines, etc. Send offers to Walton, Chemist, Smithies Mill, Batley.

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Trade follows the Ad.

The absolute necessity for increasing British trade—Home and Export—is daily being emphasised by statesmen, business men and bankers.

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